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TABLE OF CONTENTS

	AUDIORS	
п	INDEX OF ABSTRACTS OF CURRENT LITERATURE	111
m	MOVIHLY CRITICAL REVIEW	1-14
IV	ABSTRACTS OF CURRENT LITERATURE	15-78
v	ABSTRACTS OF SOCIETY PAPERS	79-92
VI	BIBLIOGRAPHY OF CURRENT LITERATURE	93-116

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

15

13

SONGICAL	Thermiden	

ROOTHW W M The Determination of the Angesthetic Tension of Ether V por in Man with Some Theoretical Deductions Therefrom as to the Mode of Action of the Common Volatile Anzathetics

SUBCICAL ASCRICAGE

PLEASURY A L A Review of Inquests Concerning
Death During Aniesthesis

GWATHERY J T Oil Ether Amerithesia Harp C G Rectal Amerikena Technique for the Induction of Oil Ether (Colonic) Amerikena

(Gn thmey) SERILERY Ja P G On the Blocking of Infra-Orb tal nd Mental Nerves t There foramina to Induce Operative Annathesia in Their Cutaneous Distribution

Surgical Instruments and Apparatus OUTSU E and MATRIEV P Apparatus for the Treatment of Fractures of the Lex

SURGERY OF THE HEAD AND NECK

Head FRANK L Epslepsy Surgically Considered a Pre-luminary Chincal Report

KERRISON P D Birany's Theory of Cerebellar Localization, Dugmostic Value of the Founting Test in Cerebella Abaces

AXHAUSEN G Brain Puncture Nock

CALDWELL, C. C. Congenital Tumors of the Veck IVERSEY T The Parathyroid Glands Gotter and Basedow Disease

SURGERY OF THE CHEST

Chest Wall and Breast JUDO E S End Results in Operations for Cancer of the Breast

MACCARTY W C. Clusical Suggestions Based up a Study of Primary Secondary (Carcinoma? and Terusty or Murratory (Carcinoma) Enthelial Hyperplana in the Breast

X11 ш

22

**

24

25

26

37

27

CLARKSON F A Primary Endothelioms of the Pleura

15 Traches and Lungs

Gooter R.L. Foreign Bodies in the Air Passages BESTUDENCE G E Traumatic Repture of the Long without Penetrating Wounds of the

Thorax with Citation of One Case BECKEY E H Decortication of the Lung for Old Empyema

Heart and Vascular System

BISCHARY G Classed and Therapeutic Study of Pencardul Effusion M rian Epigastric Punc

cture DELORME E Symptoms and Diagnosis of Adhesions between the Heart and Pencardium

Pharynx and Esophagus

KYLE, D B Removal from the Caophanus by lifeans of an (E-oph go-cope of Plate of Palse Teeth Embedded for Luthteen Years

SURGERY OF THE ABDOMEN

Abdominal Wall and Perstoneum Lepton If A Cases of Chylriform Effusion

Gastro-Intestanal Tract DEAVES I B Gastric Hamorrhame

Nicolaysev J The Value of Gluzenski Test in the Diagnosis of Gastric Ulcer

GRAHAM C Observations on Peptic Ulcers Sections, C L Stenosis of th Pylorus in Inf new Spastic Tumor of the Pylonic Canal, and Spastic Conditions of the Stomach The r Lytter W Surgical Treatment

121

Core, V Z. The Early Diagnosis and Treatment of Ruptured Intestine	s 8	SURGERY OF THE SPINAL COLUMN AND CORD	
CASE, J T X Ray Observations on Colonic Peri- stalius and Antiperists is a, with Special Reference		BALDWIN S C. Scolsons	37
to the Beocolic Valve	48	HARTER, E Typhold Spondyhtes	37
		OPPENEEDS, H and KRAUSE F Successful Opera-	
Liver Pancreas, and Splean		Don in Circumscribed Serofibrous Sound Menun-	
MANN, A. T A Rubber Tube in the Reconstruction of an Obliterated Bile Duct		gates and a Study of the Discases of the Cands	37
HOTCHESON R. and BLAND-SULTON, J. Descussion	29	SURGERY OF THE NERVOUS SYSTEM	
on Enlargement of the Spices in Children	29	Country Spastic Paranlega in Children Treated by	_
SURGERY OF THE EXTREMITIES		Van Gelincten a Root Section Autorities, L.: Bilateral Intrathoracic Resection of the Pasturographic and Its Relation to the Patho-	38
Dusques of the Bones, Joints, Muscles, Tenden. Conditions Commonly Found in the Extremitles		general Count Oler of the Stomach	38
Cone, I and Mary G Osteogesetic Punction of Percesteum and Bone Transplants	20	DISEASES AND SURGERY OF THE SKIN FASCIA, APPENDAGES	
Dist, F Esperimental Echmococcus of Bone	80	Prant] C. A Note on the Management of Burns	
PASSETT Cardinal Principles: the Management of Bone Tuberculous	22		39
Krosen F C Dugnosu and Treatment of Chronic	-	MISCELLANEOUS	
Non-Tubercular Jount Diseases — Rheuma- tum	31	Chaicel Entries Tumors, Vicers, Abscesses Etc.	
Gerst E S Chronic Multiple Arthritis	12	SUTTON, R. L. The Histogeness of Multiple Baso-	
Tempers J M The Treatment of Rheumatic Infections	32	Cellular Carcinoma Bigging, J. P. Some Uses of Fat in Surgecy	39 39
NELSON J G Acute Rheumatic Arthritis and Alhed	-	Sere, Vaccines, and Ferments	
Infectious Conditions CHEATER G L Sprains and Strains of the Knee-	1	Roser P and Sarro Disc of Semlogic Staphylococcus Reschons in Surgical Diagnosis	40
Joust	8	Worrsom G: Proceeds and Value of Vactore	4
Serrer, S A Louis Bodies in the Knor-Joint PARKER, C A Decampements of the Semilanas Car	33	Treatment	40
talages of the Knee-Joset	83	CHOLSOFF B A Surport Gonorchord Distance Sero-and Vaccine Treatment	45
WILLIAMS, R S and Ware, W R. A Fortid Aerobic Coccobacilius Found in a Case of Suppurstive		Blend	
Arthritis of the Enes	53	M'Ass, J W Experiments on Hamolytic Icterus	43
Fractures and Dislocations		Wallace R. Post-Operative Thrombophichetis	42
Conn. I Fractures of the Greater Tuberouty of the		Blood and Lymph Vessels	
Humerus DELATOUR, H B A Review of Cases of Fracture of	34	Krace G Brachal Artenoverous Ansuran	
the Patella.	14	Treated by Vascular Suture	42
	•	Mayer F Treatment of Various Veins by Rind- flench-Friedel a Method and Its Results	43
Surgesy of the Bones, Joints, Etc	34	Sagnatur, J G Durect Sutture of the Brachal Artery	••
Own H R Athrophisty WOODWAND, C Treatment of Fractures by Direct	3*	for Transmissim Restoration to Circulation Sub- sequent Development of Ischemic Paralyms	43
Extension of the Fragments	34	Poleons	-3
Orthopedics in General		LUXAS. I Presence of Tetanon Genes in the Excre-	
SAUMBERS E W MEIREMBAUR, R and WINDOW W E The Causabon and Prevention of In		zarat of Horses	44
W E The Causation and Prevention of In- featule Paralysis	35	Pant, V Intravenous Injection of Corrosive Sub- limate in Septic Discuss	44
COOLEY E. L. Tahpes or Cl b-Foot	35	Surrical Therapeutics	
Ruces, J. T. Paralytic Toe-Drop Potts's Operation for It's Relief	33	Koras Intravenous Treatment of Hydatid Cyst by	
Test F C Sag Foot and Ta t-Foot	50	Arsenobenzol	44,
GREETER J D Progress of Orthopeds Surgery	36	SCHLASSE B New Physiological Solutions	45

INTERNATIONAL ABSTRACT OF SURGERY

GYNECOLOGY

Uterus		STARE S The Lisology of Pel sc Prolapse Ana- to-ucally Considered
SMITH W. S. The Early Recogn tion and the Prac- tical Prevention of Uters e Cancer	45	SCHOPERT C Transplantation of F was in the
TAYFER W Treatment of Lienne Cancer with Radium with Demon tration of Specimens	46	BATERS T J Transposition of the Lierus and Bladder in the Treatment of Extens c Cystocele
MEATHERN Radium Treatment of Cancer of the	46	and Ltering Prolapse STICKEL, M Experimental Study of the Effect of

Screens 1 I spenence in the Gyperological Chris Glands of I ternal Secretion on the Activity of with Radium and Mesothorium : the Freatment the Lterus of Cancer SCHWALCH G The Thyroid Gland in Woman and

GLYYY L ad BELL W B Rhabdomyourcoms of Its Effect on Menstruction and Pregnancy tle Lterus 47 Adnesal and Perinterine Conditions KOLDE W My rosuccoma of the Uterus 47

Barrace rings Myomatous Uterus Treated auth MEYER, R Pathological Anatomy of the Ovary Rontgen Rays Krizza R. Functional Test of Activity of the Supera A Treatment of Myomata of the Literus Overy

with Röntgen Rays 47 PERSON C. 11 Cancer of the Ovary with Rupture NEWSTRAW W. H. C. Librard Uterus 48 in a Child of I wht I cars WAGARE J Removal of a Submucous Florad under KEEN G | Ihtherto Upreco-mared Function of

Local Anastheus 43 Malignant Ovan n Tumors LEWISSEY 31 D Primary Carcinoma of the Tube liferhar Röntgen Treatment of Myoma of the Lucras 48 FOVE J Primary Caronoma of the Tube

HEREAYN F Irradiation of C remoras of the KRATS F Epsthehal Proliferation in the Tabe 43 Lterus Resemble Carrinoma Camp Ja. C. C The Surneal Treatment of the BICKMAY W Cystic I abromyorus of the L terus 48

WEISHARPT P. Eourophilic Leucocytes I Inflam Tube and Ovary m tory lealitration, Especially in Carci oma of the Uterus Treated with and without Irradia Esternal Genitalia Rece, E. Construction of I gan from 5 mond tion 40

Please by Laparotomy Form If Torse n of the My omatous Utera 40 Craris A 11 The Puology and B eternology of Peresson L. A. Streptococci Infection of the Leucorr'ves Cervia Lteri 49

LARELIA C Treatment of Surple Vaginal Hydro Warrenorte B Syphile in R Lition to Litrine erle by Advension Des 49 By Dt C. Case of External Female Pseudoherma NELTO T Why the Lierus Should Not be C ret

phrod.trus ted a Substitute for Curettage with a Report of 275 Cases 50 Miscellaneous Busse Gyrecological Esam autions and Oper tions PATTO N T 1 Case of Supplemental 1 carrous

Mendrestion Cured by 5 bruco a Resection to Prychaes PRILIPEL Gynecological Frammat was and O were restq> lass/ to 20 Warr not se II II Physiology and P thology of נויים ביו לו זורים

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OBSTETRICS

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73

73

74 75

75

MACLAREN A and DAVGSERTY L. E I trapen MOVICONORY E E Puerperal Sensus and the toneal Hamorrhage with Special Reference to Present Methods of Treatment Reference to Hamorthage from Ruptured Tubal Pregnancy Miscellaneous Treatment of Hamorrhage with the BOERO E A King, W W The Serum Reaction in Pregnancy and Placents Located in th Lower Segment of the Cancer by the Congulation Method FAUCUT F A. Significance of Elevated Blood-Kruss P Heart Ducase and Prognancy Pressure in Pregnancy IASCREE, R T Progrous of Diseases of the Kidn NEBERTY O Caput Succedancum GREEFERS F A Plea for More Privmetry in Pregnancy Lapers lly in Women with Heart LLYIN T Experimental and Clinical Study of Air Embolum in Obst trics SCHENCE B R Pulmonary Tuberculous and Preg DADCY OPPENSIONER, II Patentes a Obstetrice GARDNER W S Fibroids and Pregnancy Three SCHNELL, I' The Treatment of Osteomalacia in th Cases Last lifteen Years 1808 t 191 Voy Fatte seno R and Dott. A Labor and Its Complications B ological Relations between Mothe and Child GARRETT, N M Management of Labo in Cases RAUSTRACER, II The Relation of Maternal Diswith Relatively Co tracted P 1 es cases to the Organs of the Fortus and New Born ULJANOWSKY L. W Hamatomata of the Est mal Genetalia and Vagues change Delevery 62 IEEE, J Prophylams and Treatment of Inflamma tions of the Eye in the New Born CRUMP W G FITEPATRICE G BUSINOS C A. AN RICHARDS R M Symposium on the Conduct of Grozzer, 11 Effect of Obstetrical Depression of the Normal Labor kull on the New Born Inf at and Its Boddy Development Puercerum and Its Comphestions Drawit R Obliterating Chalangetis Associated with Remorrhage I the New Born VINEBERG, If N Septic Puerperal Infectso Disg. nous and Treatment Mos across, B Charcal and Experimental Study TRAUDOTT M. Euclogy and Prophylams of Endo-genous Puerperal Infection of the Effect of Thyroid Substance on Labor Pains GENITO-URINARY SURGERY Jone E S A Method of Expoung the Lower End Kidney and Ureter of the Ureter OLIVA, C. Variations the Adrenalia Co tent of the S praces I Capsules after Different Amesthetics SEROTENET P Ureterorrhaphy in Total Section of the Ureter Technique and Results of Operation BROOKS, H Hypersephroms with Long Standing Symptoms of Adrenal Deficiency with Science Riadder Urethra and Penis derma ad Scierodactyka PETERETY G S Scalpel Surgery of Tursors of the PROUSE A MEYER A. and RATHERY F Effect of Bladder Temporary Ligation of the Renal Venus Faxapors, J Incrusted Cystatus BLOOM J D Kidney and Urmary Bladder Stones FARMARIER Treatment of St bborn Cystitis by Peculiar in Kind and Formation lodin F migation ORR, H W The Differential Diagnosis between DEALOR, T L Chronic Retention of the Unite Kidn) Lesions and Pott & Disease Tuberculous Twenty Eight Years of Cathetengation of the Spine Tagis wor L Attempts t Treatment of Retention of Uring without any Mechanical Obstacle Krapanno L Study of the Ridneys in the Tuber cula Gental Orwans AZZSBANDZI, R Can Renal T berrulous be Cured and the Function of the Kidney Preserved? BARAET I D Abscess I the Testacle

MACGONA G Conservative Surgery of the LEGUEU F Use of the Constant in Nephrectomy for Testacle Extent C P Endidymotomy with Report of McCaskey B W LASKEY B W A New M thod for Estimating the Functional Capacity of the Kidneys by Forced Changation of Preformed Urea WADE H Prostation Bges, E Aden ma of the Prostate Sarra E O Sudden Death following Pyclography PONOMARETY, S. I. Operation in Subcutaneous Rup-ture of the Kidney DE VER. J B Suprapolite Versus Permeal Prostatectomy GRENENEO A P Total Removal of the Prostate Screttere Z. P Implantation of the Ureters in the an the So-Called Hypertrophy of that Gland Skı

SURGERY OF THE NOSE THROAT AND MOUTH

_	VANDERHOOF D A Technique and Results of In-
Nose Pringer, A O A Case of Complete Bilateral Bony	pections of Alcohol for Pain in Tubercular Laryn-
Occlusion of Both Nasal Choons: 77	gits
DIGHTON A The Submucous Resection of the Nasal	Biraro L and Sarovon Two Cases of Laryngo-

aryngo-77 Septum Mouth Throat Davis T L Tixed Sources of all Hæmorrhage from Massia, G and Therre A Peridental Cysts and Tuberculous

Tonellectomy and Its Absolute Control 27

ABSTRACTS OF SOCIETY PAPERS

American Gynecological Society		CAULE, J R	Incrusted Cystatis	
HENDRISON Y Recent Experiments Defining the Dangers of Anaesthesis	79	BARNEY J D	Observations on the Seminal V	E

SECTION R R The Behavior of the Abdominal Cu PEDERSEN J An Unusual Case of Prostatic Car canoma Originating Apparently in the Subtaneous Reflexes in Acute Conditions within the Abdomen cervical Glands GARCH W D The Effect of Laparotomy upon the

Ginson C L. The Advantages of a Low Table and Other Points in the Technique of Supr pube 79 Circulation Cox, FR O Amenorrhous of Obscure Origina 80 Prostatectomy

POLAR J O A Study of the End Results of Inter-position of the Durius CRUTS A L Some Things that Influence the Ŝī Mortality after Prostatectomy Bypoxp H T An Internal Alexander Operation 8

STORE, I S The Technique of Supravagual Hyster-COMMINGHAM JR J H The Oper to Treatment of Carcinoms of the Pens ectomy since the I troduction of lodine as a

Ste thoug Agent 82 American Proctologic Society FRANK, R T The Clinical Manufestations of Dis-cases of the Glands of Internal Secretion in Gyne HOLDING A F Pseudo Intestinal Stass and Real cological and Obstetrical Patients 83 Intestinal Stass Demonstrated Routgenologic

GELLEGEN G Spins! Ansesthesia in Gynecology 83 cally PRINTEGOR R A Critical Review of F ve Hundred Published and Unpublished Cases of Abdoms al Casarean Section for Eclampina Macustian J A The Technique of the Permeal Operation for Exturgation of the Rectum

84 HILL T C Anal and Rectal Growths of Benign or American Association Gemto-Urmary Surgeons Doubtful Character KEYES E L and MORAN II The Pathogenesis of

Renal Lesions from Pyelography

CRMEDAL SUBGERT

YEOMANS I' C Coccygodyma A New Method of Treatment by Injections of Alcohol

78

86

22

89

ΟI

10

oz

97 08

BIBLIOGRAPHY

SURGICAL TECHNIQUE Operat: Surgery and Technique Aseptic and Antiseptic Surgery Anasthetics Surgical Instruments and Apparatus	93 93 93 94	Chest Wall and B east Traches and Lungs Heart and Vasculs System Pharynx and (Esophagus Sungary or rue, Amoonum Andonomy W. H. and B. H.	•

gery of the Head and Neck Gastro I testinal Tract. Head Liver, Pancress and Spleen Nert

SCHOLES OF THE CRIMENTIES	GIALCOLOGI		
Duesses of B nes Joints, Muscles, Tendons General Conditions Commonly Found in the Extremities Fractures and Dislocations Surgery of the Romes, Joints, etc	1 1 101 103	Uterus Adacual and Penuternee Condapons External Gentalus Miscellaneous OBSTETRICS	08 09 1 110
Orthopedics in General	13	Pregnancy and Its Complextions	
SURGERY OF THE SPINAL COLUMN AND CORD	og	Labor and Its Complications Labor and Its Complications Pumpersum and Its Complications Aincellaneous	111
SURGERY OF THE NERVOUS SYSTEM	104	GENITO-URINARY SURGERY	
DISEASES AND SURGERY OF THE SET. FASCIA APPRIDACES	104	Ridney and Ureter Bladder Urethra and Penus	1 1
furs wasts	204	Genetal Organs	iri
MINGREFAREOUS		Musellaneous	1 4
Chrical Enuties-Tumors, Ulcers Abacesses etc.		SURGERY OF THE EYE AND EAR	
Sera, Vaccines, and Ferments	100	Lye	15
Blood	œ	Eat	15
Blood and Lymph Vessels Possous Surgical Therapeutics	100 100 100	SURGERY OF THE NOSE, THROAT AND	D

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OF THE ORIGINAL CONTRIBUTIONS WHICH ARE ABSTRACTED IN THIS NUMBER

Alarma Inc. D. no.	Fassett 3	T. J. O. D	
Alessandri, R 70	Passell 3	Kyle D B as	Rugh J T 35
Antomoo, L. 38	Paught I A 64	Ledard II A as	S4 t 40
Azha sen G 19	I supatrick, G da	Legieu 3 70 Lerche, W., 3 Leminky M D 54	Sargnon 78
Baldwin > C 37	Flemmus A L ve	Lerche, W., >	Saunders, L W 35
Batney 1 D 74 83	Fonvo e	Leantaky M D co	Schauta F 47
Barthe L 37	François, 1 23	Lukas, 44	Schenck B R 60
Becken n, L IL sa	Frank La S	M cCarry W C ax	Schoon P
Decrito of P. 17 at	Frank th 5	31 ccarry is to 11	SCHIMEN D 45
Beckmann W 48	Frank R. T 83	MacGowin, G 74	Schlassi B 45 Schlachko Z, P 75
Bérière 45	Frans, \ 44	MacMalan J A 91	Schmauch C 53
Beer E 23 Behne L 37	I'm del 36	MacMillan J A pr	Schnett F . 63
Behne L. 47	Inedneh VI ge	Mann A T se	Schubert, G. e
Bell, W B 47	I rouin, A. 63	3f an G, 30 Masua, G 78 M thirti, P 27	Schubert, D. 3 Schüphach, A. 89
Benda C só	Gardner W S 64	Marma C. all	Scudder C. L 7
	Garrett N M 6t	Maken D or	Sejoutnet P 72
Benningh ff G F 33	Omitte M 31 of	A1 10000 17	Sejourner 1 72
Bérard, L. 18 Binne, J. F. 39	Gatch, W D 79	Me Alluter F J 53	Shernit,] G 43
Binne, J F 39	Gelst, L S . 3	Mc Caskey, B W 70	Supper A 47 Skullern, Jr P G 17
Bland-Sutton J ag	Gellhors, G 83	Mc Gure 5, g8	Skillern, It P G 17
Blechmann G 24	Gloerer W, 66	Meuembach R gg	Smith, E O 72 Smith, R. R. 79
Bloom, J D 68	Gibson, C. L. So	Moer A 65	Smith, R. R. so
Name & A	Guffrida F 44	Bleyer F 43	Smith, 5 A 13
Borro, E. A 60	Glyna, E 47	3/	Smith W S 46
Boothby W M 15	Giyin, & 47	Morer R. SI	Shart 11 9 40
Bretsch eider 47	Godlec R. L., s.	4 26 3 10 4	Stark 5 3
Brooks, If 67	Grahatta, C 26	Mohan, H 86	Stickel, M. ga
Busse, 56	Graffith J D, 36	Montgomery L. E 63	Stone I S , B; Sulton, R L 39
Byford, II T 8		Monbacher E. 66	Sutton, R. L. 10
Cakinell, C B to	Grathmey J T 18 Heimann, F 43 Henderson, Y 29	A besky D &c	Tauff I W 45
Calciera, C & 19	Harrison W 48	Value 1 Co no	Test, I' C g6
Cue J T a	Iterateur, f. 43	Veison, J G, 12 Vewnham, W H C 48	Therre A 75
Cuse J T S Cault, J R 86	Henderson, Y 79	Academia to the T 48	THETTE A. 78
Cerecedo Al 53	Ilerd C G 16	Nonlaysen J 26	THEYERDI MA 73
Cheatle, O Ing 32	Holl T C 91 Hochite O 57	Okva, C 67	Thevenot L. 73 T mpkins, I M 32
Child to C G as	Hochite O e7	Oppenheum, II 37	Transport, M. St.
Chaki, Jr. C G 55 Cholzoff, B V 741	Holding, A (ou	Ovoenheumer 11 01	Ulanowsky L. W 6
Chute A. L. So	Fluctoon, G A 6	Ort IL W 68	I anderbook D A y?
Chute W W 95	H tchases, R 29	Owen, H R 34	Van Teutem E S xt
Cla keon, P A sa		C day (A a)	
Coe II G 8a	Hyla, T 64	Patter C A 33 Patter W T yo	Varella, C 35
Cooley L L 35	Imre] 65	Satton to T Ro	
Cooley L L 15	Iversen T 9	Program 3,00	on F Benberg R., 65
Cope V Z 13	Jaschi, R T 60	Perkusa, C W 54	Von Franque O 37
Covalle 18	1466 F S 10.72	Peterkus G 5 72	Wade H 73
Crutto W G 6a	heller R 53	Peterson, E. A 49	Wade W K 33
Crump W C 94	Kempe G 4	Peterson, R. L.	Warner I 45
Cumingham Ir J II 89	Kerrison P D 18	Pfinget A O 77	Waldstein E. 57
Curtus A II 55	Vertinori I. P. 10	Philips M 11 35	Mallers R
Da gherty L E 39	Keyes, L L 80	Lumba vi vi 20	Wallace, R 4 Wathins, F J 5
Davis, J l. 77 Desver J B 26 76	Ludner I C 31	Plan J C 30	Nembaupt L 49
Deaver 1 B 20 76	Lindberg L 69	Polsk J O 4	Neisonupt A. 49
Desvor T L 73 Delatour II B 34	hing W W 66	Portand, R s Ponomered S I 71	W lton, T 50
Delatera II D	Klein G, 54 Kanekt, C P, 74 Kohlmann W 59	Ponomared 5 I 71	Berthelm 40
Detatour II D 34	Saraht C P. 24	Poth II 49	Whitehouse, B 49
Delorme L 84	California M	Outro. k. 7	Whitehouse II B 50
Désé 1 3	Contracti 14 35	Quinu, h ? Rathery 1 68	Williams, R S 33
Dighton A 77	holde \$4 47	Ra busch k IL 65	Wasdom W E 55
Dall A 6c	Polds # 15	PA DIEGO A 1L OS	Nallsohn G 4
Dutham R 66	Kraus, C ca	Richards, R M 6	Truppour C 4
Ekler R 57	Arause I 37	Rost, I 4	Wood and C 34
Pomoros as	Kreiss, P 60	Ruge J 55	Leomans, P C 9
Farnarier 73 Carea L K.P 55			
LATTS L. D. F 50			

INTERNATIONAL ABSTRACT OF SURGERY

JULY 1914

MONTHLY COLLECTIVE REVIEW

PHYSIOLOGY OF INTERNAL SECRETIONS OF THE OVARY

BY CAREY CULBERTSON M. D CHICAGO

In the cope of this review it is proposed to include only the most recent literature, valuable collaborations having been offered on this or closely allied subjects by Bell Mr. How Greves and others within a relatively short time. While harmony and efficiency on the part of the entire endocranous system is essential to the functional activity of the female genitalia at puberty granted that these organs are normal at birth and it is therefore difficult to consider any part in this system is an entity yet con aderation is contemplated at this time only of the internal secretions of the overary with special reference, at that, to the function of the corpus litterum

To-day from a purely physiological point of view the ovary has come to be regarded as hav ing three constituent activities those of the grasfian follicle the corpus luteum and the interstitial cells Regarding the first two nothing need be said in an academic way Of the last, the importance of the interstitual cells has more recently come to be recognized. These are distinguished from the stroma cells by their larger size and rounder outline with oval nuclei. They increase during pregnancy and are probably most marked between infancy and puberty That these cells possess a function is fairly well established by McIlroy and Limon who found that their presence in grafts was sufficient for main taining uterine nourishment. Also when one ovary is removed and compensatory byper trophy has accurred in the other the interstitual cells are found to be increased correspondingly both in size and number It is most probable that

the secretion from these cells acts independently of the follicles and corpora lutes and 13 not antag onistic to them Without definite Lnowledge it is assumed that these cells control the nutrition of the genital organs and breasts during their active development and that it is the loss of their secretion a true hormone, that brings about uterine atrophy after complete cophorectomy According to Bell as far as the general metabolism goes the total ovarian secretion seems to promote the excretion of calcium and the retention of phosphorus but he does not attribute this function to the interstitual cells alone. On the other hand no other investigators refer this feature to either the follicle or corpus luteum. Nevertheless m ane of McIlroy s experiments calcium elimination was increased after castration and diminished again after giving corpus luteum extract. The influence of the ovary nn sugar metabolism is another point in evidence rather of our lack of knowledge regarding correlation on the part of the ductless glands Thus Sentz concludes that the thyroid hypophysis, and chromaffin system increase sugar metabolism and that the pancreas, overy and parathyroids tend to check it In an elaborate series of experiments Stolper regards it as probable that increased sugar assimilation means increased ovarian sufficiency. He found sugar assimilation reduced in castrated animals and in 38 women from whom both ovaries had been removed. He admits that the process is very complex results being due in part to the effect on the pancreas and adrenals, glands evidently closely associated with the overy In partial resection of the pancreas as carried out

on dops sugar assimilation was decreased and then compensated for too certain degree or better or the control that the contro

SECONDARY SEXUAL CHARACTERISTICS

One of the most desirable results of perfect correlation on the part of these duetless glands is the production of the so-called secondary sexual characteristics occurring in both seves at puberty The converseo is rapidly growing that there coondary see characteristics are due to the so fluence of general hormones, arising from the ovary and testiele respectively Past experimen tation has shown the influence on the general system of Castration in either see before puberty and after and these changes are too well known to require review at this time. A new phase was green to this question to 1912 by Stein ich who transplanted ser glaods in young cartrated animals of opposite ser. This resulted in completely checking and even reverying the phy ical features and traits recognized a characters tic of and specific for each sex. More recently the same investigator has succeeded in producing entirely similar changes in adult animals who had developed sex characters ties before costration thus demonstrating that see is not fundamentally determined in odvance The only conclusion possible is that the essential factors for the production of the genital hormones are the interstitual cells found to the genital glands of both sever

THE CORPUS LUTEUM AS A GLARU

While Born was the first to propose that the corpus luteum should be regarded as a gland of internal secretion with particular respect to the implantation and development of the fertilized orum it bas remained for Frinkel Magous and Cohn to prior experimentally. Borns theory The original work of Frinkel is now well known that the removal of the corpus luteum pre-cented pregnacy or caused the dr-appearance of the orum in the early months but that it had oo in-

fluence on pregnancy later Weymersch had add ed to this the explanation that destruction of the corpus futeum is followed by constriction of the uterme blood vessels and by uterme contractions thus inhibiting circulation of the blood freely throughout the organ While most elinicians have observed that these laws cannot apply strictly to the human female ft has remained for Cathala to analyze o series of cases. As a result he concludes that the corpus luteum is not indispeosable and that its removal in the early months is not to be considered as a cause for obortion Puech and \ soverts take issue with hum in part however showing that abortion is more frequent during the first two months of pregnancy - 25 percent - than during the third - rr percent or fourth - 12 per cent - after double ovan otomy They also show that obortion follows oftener after bilateral pophorectomy-25 per cent - thao after unilateral - 16.5 per cent when the operation is performed during the first two mooths of gestation

An interesting point in the study of the corpus interm has been added by Escher who footed the gement of the loody from the oxales of corpus life found that it beloogs to the lutern group of hydrocarbons and that it is not different in any respect from the vegetable carotro a pagment of certain vegetables and green leaves. It is not different many that the manufacture or encertain vecept that it has nothing in common with hymatolidin or bilirobin.

The nature of this or arian secretion has recent ly been carned a step further by Iscovesco This un estirator undertook his problem on the basis that all h my cells are lormed of proteids car boby deates and broads \mong the hoolds are found neutral fats boold both phosphated and noo phosphated The upond responds chemically in all respects the same as the internal secretions Thus the thyroid possesses an eotire series of Iscoverco norked with one of the lipoids of the overy soluble in oils in all ocuteal fats f rming liqui is with ether In petrol acetone chloroform benzol and boding alcohol This fatty solution tajected into rabbits, produced uterise and ovarian hypertrophy with marked congestion and extravasations in extreme doses. A similar lipoid from the testiele exerted corresponding changes in the male Again o specific lipoid from the corpus luteum increased post partum in olution and lessened oausea and somiting There seems to be a direct actagomen hetween the ispoids of the corpus luteum and those of the suprarenals lsco esco has come to the conclusion that to e ery organ of vertebrates may be found a specific lipoid which has the property

of exciting the function of that organ each ane hring a homostimulant acting on the medullary center which presides over that particular organ Aschner previously and Herrmann more recent

ly have arrived at similarly suggestive results their nork varying only in regard to method. Aschner in substantiation of Frankel's theory of the relation of the corpus luteum to pregnancy also produced n lipoid specifie in action Em ploving a subcutaneous injection of ovarian ex tract and placental extract to produce milk secretion he noted the hypersemia of the genitalia and was able to produce harmorrhage even harmatomata in the uterine mucous membrane of guinea pigs. The ownries were found to contain an un usual number of ripening follicles to which Aschner attributed the genital byperæmia Herr mann isolated a pentaminodiphosphatid from the corpus luteum of rabbits. An extract of this substance injected into the animal brought about hypertrophy of the genital organs and hreasts Histologically there appeared a marked hypertrophy of the muscularis and mucous membrane In one animal so tested before maturity where the uterus was undeveloped a hyperamia and ordema of the stroma took place similar to the changes of secretory activity Corresponding hypertrophy and hyperplasia were found in the mammary acini the ovaries became enlarged and a ripening folicle was found. In the case of mature rabbits Herrmann was able to in duce oestrus by injection of the phosphatid changing the four weekly cycle to a two weekly one in three different animals. Again in an immature numal the overies were temoved and the phosphatid again injected over a period of five weeks The same changes were again produced, thus more than overcoming the castration atrophy

In hke manner Stickel's experiments demon strated that ovarian extract and particularly the extract made from the corpus luteum has the most pronounced effect on the uterus To produce sterulty he subjected a series of rabbits to the Y ray and found that in them the uterine curve was similar to that in virgin animals the utenne response to the extract being less marked after raying Ovarian extract from rabbits that have heen rayed possesses an especially active in fluence on the uterus of other rahhits similarly rendered sterile Spontaneous uterine contrac tions are nearly always present in rabbits that have delivered young and Stickel suggests that the ovarian hormone is antagonistic to whatever other influence may inhibit such uterine con tractions.

Similar results to these have been reported by Fellner who used alcohol ether extracts ant only of the ovary hut of early chononic villi most characteristic results were obtained when these extracts came from pregnant animals When the ovaries contained no corpora lutes results were negative. Though Fellner was un able to decide us to whether or not he was dealing with an internal secretion in his placental extract his results so closely resemble Herrmann s as to auggest again a powerful phosphatid Hall ban regards their combined results as further evidence in support of his theory that the placenta takes over in large part the function of the overv Experiments to detect an antihody in the blood serum of women was undertaken by Smith as a result of which he concludes that the term in ternal secretion need not necessarily imply such a substance as would produce on antibody Using an extract of corpus luteum as antigen he attempted to detect the presence of an internal secretion by the complement-deviation test hut with negative results. Keller also found it im possible to test the function of the ovary by pro ducing a reaction to injections of adrenalin atropine or pilocarpine His experiments in twenty cases where the ovaries were absent or not functionating were based on the idea of the ovary possessing an inhibitory influence an the chro-

maffin system as demonstrated by Christofoletti and Adler hut the results were almost uniformly THE CORPUS LUTEUM AND MENSIRUATION

negative

With respect to the corpus luteum during men struction experimental results are less satisfactory Schroder made comparative observations on the endometrium and corpus luteum in 100 cases, in 69 of which menstruction was regu lar being irregular in ir with conformity how ever to the corpus luteum cycle His work is interesting and presents a four stage cycle

r Fliteen to twenty days after the beginning of menstruation the endometrium shows the characteristics of the middle or end of the interval The corpus luteum is then going through the first stages of its development. The granulosa cells are small but gradually increasing in size with abundant red blood cells hetween The limiting fibrous membrane shows some unraveling with an arrangement of the finest fibrils in a radial direction Capillaries are beginning to form as are the theca cells in characteristic concentrically arranged fields

2 From 18 to 25 days the endometrium shows the beginning to the middle of the premenstrual stage The corpus luteum is mature with largecelled convoluted granulous many fine fibrits and capillantes running in radial direction. There is a thin but clearly defined internal connective-tissue boundary and a clearly marked small-celled peripheral theca interna.

3 From set to 38 days, the endometrum is at the end of the premenstruum anatomical menstruation. The corpus interms is fully developed and organized. Granulous cells are similar to those in (2) but the radial and transverie fibrils are more abundant surfounding each cell with nien networi. The internal connectly-clussue boundary is very well developed with well marked fields of small theca cells.

4. One to 14 days The endometrum fast the poat-meantual internal the corpus littum being also fin retrogression. The granuloss cells are shrucled busted by the continuously uncreasing growth all the fibrits. The internal connective tissue layer is thacker and nuclear organization has occurred. The cells of the theea interna are clear and well developed.

Schröder therefore concludes that the repende follule ruptures on the fourteenth to sirreenth day from the beginning of menstrual bleeding and that the rapidly developing corpus luteum nor mally matures at the timn of the premienstrual swelling of the uterine mucosa and that it is the cause of this change

Meyer and Ruge no the other hand has eattempted to establish a five-stage normal sequentempted to establish a five-stage normal sequenduring the menstrual interval (a) The stage of vascularization early in the processival congestion of the uterin mnove; (3) The hannor hange stage during the main-rd preneutrial phase (a) The height of hamorthagic loddir ulon in both corpus luteum and nurous membrane just belore or at the beginning of menstruation (b) Regression during and inter menstruation During prepancy the corpus loteum remains at the high point of its hamorrhagic stage.

Without going so deeply fints the histologic changes occurring in the overry synchronously with the mensitual cycle Frânkel regards ovul tion as regularly occurring during the Intermensituan claiming that the exact age of the corpus litten cannot be determined microscopically. His opinions have been confirmed by William Carlo and the control of the company of the company of the confirmed the confirmed of the confirmed the confirmed of the confi

pressed menstruation is the nne fertilized and

While Meyer and Ruge are not so far from Schroder in their estimation of the relation borne by the corpus luteum to menstruation Halbanhas brought to bear on the question the light of his chaical experience In the course of thirty five laparotomies the ovary was deprived in its yellow body and careful notation made with respect to subsequent menstruation. It was found that where this procedure was undertaken at once after menstruation there was nn change in the menstrual order. Where however the corpus luteum was destroyed during the second half of the interval menstruation occurred one or two days after the operation the next period follow ing in four werks thus establishing a new time for the cycle Thus the corpus luteum must be regarded as inhibiting the onset of the next men strual period as it apparently does by persisting in pregnancy Its influence as the factor deter mining the uterine changes of menatruation seems to be fairly well established. Dannruther's case provides further evidence to the point. Here cornus luteum extract was administered to a patient after bilateral salpingo-cophorectomy with a re-establishment of menstruction The extract was made from the overres of pregnant numals an essential factor for securing most certain results in Danneuther a opinion. Thus the corous luteum becomes the source of the bor mone governing such changes as are essential in preparing the mucous membrane for the reception of the fertilized ovum, the premenstrual changes In what way it maintains itsell in case pregnancy takes place or through what agency it is maintained is not yet clear Evidently bere the activity of other internal secretions come into play either those of glands already active or some new substance introduced by new trasues such as for instance the chononic trophoblast.

DIABIAN AND UTERINE EXTRACTS AND THE

Grantage then an Influence on the part of the corpus laterum over menstrustion the corpus batterin over menstrustion the over thought is that o a ran a byperfunction man, bit serve thought is that o a ran a byperfunction man, bit serve thought is that o a ran byperfunction man, bit and that a definitely abnormal uterine mucous membrans might over act to the stimulating bormone. The work of Histochmann and Addler has finally given in a knowledge concerning the cyclic changes in the uterus characterizing menstrustion but the physiology of this series of phenomena remains far from certain. The pathology behind many formed uterine hemorrhage is well under

stood but the theories explaining certain menor this is a meturnhapita as lue to glandular on Jonetinis metritis expile leveneration of the oraries change cophoritis et a sp intel out 1) I raw have been given up. On the hypothesi lint men trustion is nut a function high a more refrogree lee change folk wing activation on the part of the uterine mucosa by a copyie uterum horrone implantation of a fertilized orium not haven occurred uterine here only a many to study the study of the control of the second or a study of the relation between number of a tudy of the relation between numbers and the Illou!

Schichele's experiments have been most in teresting Combinations of animal libed scrums and I lasma were ad led to exteact of different partiment the uteru and marter buch extracts il tayed coagulation saring ly there from rean subject to almormal 1 ic ling 17 plucing a more marked reaction the en kimeterum lain, more i merful than the maumetrium and sarain stract cruder les ilelas escel t la cree mbere there had been excus is a leeding. He extracts further produced a blatate not peru he rall lood testel thuslanering bl x 1 pre- ure the would agree with ffereminn a tin ling that atract of currus lulcum ilors not taise the ! | xl i res ure Curcle foun I ray i les agul dadity foll wing organic extracts from the ut ru indicenta and ovum He attributes the to the mix king e which torether with anoth r ul tan c assidatin be to veted from the junes I the uteru vasodilatin be rem ved on if it he la king congulate a occur more jusckly than when it is present. Matsussolated a peculi ul tance from the corpus luteum takin particular pain to cultule iith r 1 irtion of the ary Human Ills I tested with the extra tirey in led by very rapid coumlates. He believes that Junior is t mal menetruate n 11 1 sa ulal tuta t la red ly luton cell beat when the grantian I listle suptures the ul tan e then enterior the leaf tiram and bein the along course of the men tiuil il iw

While these experiment at 1 be regards with autin a 1 no flat by Cares the conclusion occurs on that feel bed that it has been not be feel that it has been not been not been not been not used that it really in the end in turn of utility and that it is a self-been not been not used that it is a constant of the feel of

(desfunction) and peaks of a myomhorm ne as the factor in cikhates in whom sexual energy while still active find al normal espres ion in tumor development in multiputz this is in pres ed by a relative sterility Metrorshiguas of the menopause with no apparent ut one lesion are regarded by lorgue and Ma alucu as essen the metroe hagia due to a di turbince if the graman hormone which normally presides over men trustion. In these cases bleeding cea es if the ovaries are removed and the majority of such ovance are subject to exstic degeneration. Their opinion le that In neurocy tic ovaries an user production of the interstitual cell, takes place with hypertree by of the gland of internal care The to turn may be the result of a ceneral fallure to conclute up the part of the sa cular gland prest ling over the development and uppression of men trusts a The theory that meteorrhagia of the type or framorrhage from misomits : due to markin higherfunction t trongly upported by the beneficial results of the Vras as reportedly kronl, an IC tu Frankel and many other clinician Decreased bleeding or amenorthira fellows the electricitie effect of the ray on the ovarian parenchyma with secon dary atroj he uf the uteru How much of this influence i due to direct action of the \ rat ch the uterus a not clear but the chan es in the ovary cem to be definite at lea 1 for a time

A lifetent up leather of a semeshat instant heart leid salled 3 Distrett apraises of symmetr that and a suffernment heart leid success the settler of corpus luteum. Mo this cases were jumpto naturally cured and a of the a tende women became preparat. Dividian hype function is the explaints in here offered uterine insufficiency leim lue to correlative of turlances. In the organ of internal secretion. Naturally the questions left seems to whither results obtained were the updated and feet that is the domores used of by the hormones of natural secretic patients and feetled in the feet of the proposed of the control of the hormones of the domores used of the hormones of the domores used of the hormones of the domores of the proposed of the proposed of the control of the hormones of the domores of the proposed of the hormones of the domores of the proposed of the propose

THE OFFICE FLACE AND MICHAEL

It is all to ofte fruit a tomach premany in it are chrowed of increasing availational secrets the adicard because a cells towards and a related towards. It is in the cells for a large property of the cells of the cells of the cells of the lower against the lattice of activate proting the cells of the cells of the cells of the the cells of the cells of the cells of the the cells of the cel

influence which in some way or other determines the occurrence of protoplasmic changes in the cells characteristic of decidual formation. Thus he takes issue directly with those investigators who have heretofore upheld the theory that decidual formation is due to some so-called genetic influence having its origin in the ovary Accepting this attractive idea we are nt once led to regard the rapidly problerating ectodermal cell as providing an internal secretion capable of activating further a cell already in fluenced to moderate cedems by the cornus luteum lipold or phosphatid Such a theory makes the early ville for the time being complementary to the corous luteum and sustains Halban a proposi tion that the placents takes over in some degree the ovarian function Carrying the idea one step further it is presumable that the corpus luteum Itself is maintained as a permanent anatomic entity having a definite physiologie function dur ing pregnancy through the influence of this very same placental cell product. This theory of course leaves out of consideration the influence

of the other glands of internal secretion It is the belief of Seits that the function of the corpus luteum is short lived lasting only during the first month of pregnancy the interstitual ovarian cells then developing and working synergetically with the yellow body Irregular growth and development then on the part of the corpus luteum may explain habitual abortion Likewise destruction of the corpus luteum early in pregnancy in the lower animals as shown by Frankel will lead to abortion On the contrary destruction of the choronic vills by termination of pregnancy may be the factor permitting regression of the cornus luteum with recurrent ovulation and menstruction At all events Seits believes that the changes of the ovarian interstitual cells in pregnancy are stimulated by the placental cell change He further claims that a pathologic overgrowth of trophoblast as in vesicular mole or chortoepithebomn leads to the production of the lutern cyst

Keller a observations from a series of operations performed during pregnancy assured him that a succession of special chaoges occur in the ovary such as marked vascularization, growth of theca-lutern cells the construction of the cornus luteum and the development of toterstitial cells, changes evidently algorificant of special function He found no recent corpora lutea in the second half of gestation, nor one that appeared to he in retrogression. No follicle beyond the stage of ripening was found, nor on the point of rupture That evulation may occur during pregnancy is

most improbable though follicles may ripen and even escape While considering the physiology of the corpus luteum during pregnancy the possibilrty of a dysfunction again comes to mind It has been auggested that since ovulation does not occur the overy subsides into what should correspond to a resting stage This does not seem to be in accordance with the evidence Not only are the interatitual cells more in evidence but the corpus luteum becomes for the time heing a permanent structure Whatever changes in general metabolism occur when this body fails to be maintained has not been determined but certain im estigators have ascribed to its insufficiency some of the pregnancy complications of the early months auch as pernicious angenia hyperemesis, ete Thus Chirea and Stolper helieve that such a relation exists Without formulating definite conclusions. Chirea assumes that one of the functions of the corpus luteum is to antagonize the toxin elaborated by the chorionic villi and that lutern deficiency therefore permits the placental cell products to become assertly e. He reports one case of excessive emesis in which death en und Autopay revealed considerable enlargement of the right overy which contained a large yellow body in a state of systic degeneration. The left ovary was small but cystic the uterus and placenta negative. As a result of the cystic distention and increase in connective tissue the lutein cell band was markedly etrophic Chirca has used tehiets of lutern in treating his cases of emests but results have varied Recasens calls attention to the fact that functional disturbance in the early weeks of gestation is radically different from the pathological processes of the ultimate months Stolper notes this us well and both regard luteio hypofunction as at least one factor in hyperemesis gravidarum. In early gestation the entrance of alhummoids from the ovum into the maternal organism causes disturbances which are signs of immunity with subsequent formation of antibodies These activate the functions of the various permanent glands and the temporory corpus luteum If moury to the cell structure is effected adding to the activity of albumin prod acts from the ovum these signs of immunity in the early months may go on to the development of a toxerma such as incorruble vomiting IInally Sergent and Liau regard the cortical laver of the suprarenal capsules as one of the lines of defense for the female organism in gestation which neutralizes the auto-intorication of the early months called by them villo tovermia Often this is so severe that the suprarenal capsules give out and fail to their function.

OVARIAN EXTRACT IN THERAPS

While our knowledge of ovarian phy julogy is thus far very imperfect efforts at some therapeu tic application of the overan secretions have been reported for many years and until recently with most indifferent success. When thyroid extract came to be used successfully in certain types of hypothroidism clinicians made haste to apply the same empiricism in the use of ovarian extract but with disappointing results. Only from the most recent studies in ovarian physiology such as have just been reviewed have we begun to find some explanation for this opparent inconsistency The thyroid gland evidently produces its hor mones more or less constantly that is the active principle i probably present in its ussues at all times so that by leeding the gland either lresh or in extract its organic influence is transmitted. In the ovary conditions are quite different most probable that the interstitial cells are enlarged only of certain times il indeed this means that they are octively engaged in the production of a secretion With the foliale ond corpus luteum we have o definite recurrent growth and regression wherefore ony secretion coming from them would be present only on occa-Thus it is evident that ony internal secretions from the ovary would be obtained in extract only provided that the organ was actively functionating at the time the extract was prepared Again II it is the purpose of the interstitial cell to guard the growth and development of the uteru it is clear that they would be most active during the age of puberty and lesso after nubility. They have however been observed inter in life and often during 1 regnancy hence their lunetion is probably more complex regard the lollicle il it i the lunction of the Internal theca cells to produce the premen trual congestion and of the lutein cells as successors to muntain the influence in preventing further ovulation and in at ling the newly implanted ovum at lea t lor a month or twn then it hor mon could be collected in extract f r but a lew day at a time in ca e gestation does not take place The explain at leat how lifticult st may be to reure activating oversan extract for commercial nurnoses and therefore why thera peutie result from past clinical experi net have been so carred and uncertain. It i probably for they reasons that Dannreuther con siers the corpu luteum of pregnancy as more table and eff ment than that of ovulation and heace while agreeing with Burnham as to its therapeutic value empha izes the importance of preparing the extract from the avaries of pregnant animals

He regard such on extract administered by mouth as non toxic but warns that the blood pressure be not allowed to fall below oo mm He under any circumstances ond not more than 15 mm Hg at may one time Aschner believes that such an extract brings about o hyperamia of the genitalia and suggests its use in the treatment of amenorrhora sterility and menopause troubles As o result of his experiments with the phosphated ispoid (ovarian) previously referred to Iscovesco assigns to it great influence in certain hemorrhages amenorrhoza dysmenorrhoza hypoovanamsm sterilization and the menopause He also suggests that the deficiency of thi in fluence is a lactor in the chlorosis of puberty and to the feebleness of sentlety According to Danareuther corpus luteum of pregnancy is in dicated in (1) functional amenorrhica or scants menstruation (2) dysmenorrhera of ovarian nri gio (3) manifestations of physiologic or artificial menopause (4) neurasthenic symptoms during menstrual lile (5) sterility not due to propenic infection or mechanical obstruction (6) ovarian insufficiency where the function of one overs is impaired or one has been removed ond compen satory activity in the other has not taken place (7) repeated abortious not due to disease or me chanical factors (8) hyperemesis in the early months of pregnancy Hill's clinical experience I an accordance with such indications He treated with the extract of corpus luteum 12 patients from 25 to 38 years of age oil of whom had lost both ovaries by operation and showed severi types of nervous disorder. In every case improvement occurred though complete relief was experfenced in but two cases and relapses occurred where treatment ceased He agrees with Burn ham and Dannreuther that in ufficient disage explains past lailures

In certain types of sternity where alterations of the oxary are present. Reynold fin is a sit in or moderate organic enlargement due to retention cysts or in unduly large peol tent and in quently eyste corpora lutta. In such cases, tract of corpora lutta would be contra indicated and in tend Reynolds advocates re-ection of the retention cysts or presistent yellow looks.

O tromalacia is always to be considered in discusing, own and physiological obstomalaria as proven though acknowledging that bone metabols in its decreased through the ownrain inducence Schnell has reviewed the treatment of cromalacia during the last fifteen yarrs. He does not regard this condition as an expression of hyperovarianism but thinks that it is due rather

to changes in metabolism from the action of various ductiess giands Three hundred and thirty four cases were collected. Of these 37 were treated by phosphorus inchycastration 36b) adrenalia i by antithyroidin 16 by pituitrin 2 by milk from cas trated goats, and 6 by the \ ray With but 7 recurrences in the series treated by conhorectomy Schnell claims that this operation still offers the fewest bad results, being much preferred to treat ment by hormoses, such as adrenalin and pitus trın

On the other hand a case of acromegaly f reported by halledey and another by Goldstein which seem to have been due to a lack of marlan secretion whereby the hypophyseal secretion failed to be ocutralised and flooded the general or canism Goldstein a case is that of a woman of 38 with a tendency towards gigantum in childhood She was subjected to panhysterectomy lar uterine myomata and acromegaly descloped without recognizable enlargement of the hypophysis Kalledey a case is of even greater interest. The patient was 32 years of uge and had shown acromegalic disturbances for four years. She mea structed first at 17 scantily married at 22 and passed into menopause at 24 without gestation having occurred. At 28 static symptoms ap peared with enlargement of the fect. She became very fat developed headaches, sleepless acss, and vertigo and later was unable to wall. Her general oppearance was masculine even to a growth of hair on the face Intravenous injections of overlan extract were administered and she became shie to walk after the sixteenth dose She was then given the extract in tablet form Menstruation returned in three months and one month later she became pregnant.

OVARIAN GRAFTING

Determination as to the conditions under which the interstitual cells or the follicles predominate in influence will aid in explaining success or failure in ovarian grafting. All such efforts are as yet at the experimental stage no recent work having brought forth any definite working knowledge Indeed opinion continues to be divided as to whether the ovarian hormone is in itself the es sential factor in maintaining normal conditions or whether its value lies merely to fits power to induce menstruction. Thus Tuffier regards menstrual suppression as the cause of trouble in post-operative menopause rather than the loss of the ovarian secretion per se whereas Whitehouse regards his results from autoplastic grafts after total hysterectomy as satisfactory J T Smith believes the essential factor in the success of the transplant is ovulation that is the production of a corpus luteum Ovarian transplants containing futein tissue acted almost as well in his series as where the nerve connection remained intact Graves reports on 25 cases where the ovary was implanted in the broad hament or abdominal wall with end results in 12 7 suffered severely from hot flashes a lightly 3 not at all One patient bled from the aose and rectum and twice the transplant became cystic and painful In its present development Graves does not regard overian transplantation as of great practical value an opinion concurred in by Bell and Park. Bell apeals of this procedure as an effort only towards muigating menopausal disturbances the severity of which depend not so much on or anan moufficiency as on the correlation exist ing between all the internal secretions. Here the uterine changes which prevent menstruction and the individual variability as to sexuality and to the stability of and capacity for readjustment lo the cadocrinus system must be given proper consideration

Tuffier a autografts comprise 44 cases The overs was implented in the loose subperstoneal cellular tissue one on each side g or 6 cm distant from the median incision. Even where the ovary was ederocystic he used it. Of this series ro were seen later 18 of the patients having men structed Amenorrhota ensued for from three to seven months after operation during which time meaopause symptoms were present. With the recurrence of menstruction the unfortunate phenomena leave wherefore Tuffier argues that menstruation is more important for the physiologic equilibrium than is ovulation. Such argument is of enurse beside the mark until we can prove more definitely the nature of the relation between menstruction and the ovarian hormone

Two of Tuffer's cases acre of unusual interest The grafts were removed after three and one-half years for pain They had maintained their origi nal size and a voluminous arterial and venous arrangement enuid be demonstrated about the periphery Ol 14 cases, however but 3 menstru ated regularly and rhythmically 2 regularly but too freely and a urregularly Three showed a progressive decrease extending over a period of two years time and four suffered from pain either in the graft or in the uterus Tuffier concludes therefore that autotran-plants are most effective in young women especially if hyperthyroidism is present The experiments of Curtis and Dick gave equally unsatisfactory results but a autografts and a homotransplant proving auccessful out of x3 attempts.

Likewisein Carmichael shandsus ariangrafting has been de argounting sumuch so that he con id ers the procedure as north trying only in the hope that it may ilimin h the rapidity of onet of the chriacteric. His ortanal observations published in 1907 have recently been reassirmed by results obtained in two cases In one of there the graft caused on trouble but men trustion ceased two ra other after the operation and mill climaeteric symptoms supersened. In the other case men struit flow appeared pregularly but the tran plant cau ed such pain as to require its removal eight months later. The ma removed roved to be comp citify cystic the cysts being urrounde f lis a dense tibrous car ule Microscopically no trace of healthy ovarian it ma or luttin to me was to be seen This ovary had been ; inful and was lightly exitic at the time it was tran planted

Whithou e feels somewhat m me san same as no arise fran planation but bases in upon a no a maller series of case. Take field he employs seedling grafts I ut retain the enure ovarian situation whereas field trummed the correct away a procedure certain t minimuse follocular field grant. The present I a rich ascular sowly is in the true used a a field for the graft to textuded as a prime essential to Whitch as as the control of the process of the seedling from exactes inserted in a general anticytic. See thick the has timplanted seedling from exactes inserted in a general police infection with I it raille after me chrosic influmnitory its ten thus not causing a detructive unsuration.

Experiment on Ires a perkitmed by Sonnheff an I Jole wem t hi leit in en e traging result. Il aries gratted from one arimal t an ther later appeared narrally der I med and in he are wher the trangiant was prira at I minul g erear a en sed. Mith te pect to the pette of ribbe fithe with the question naturally arrest t wheth rith hot of the trangitudes in a necessary to a net t reflience to germy en ffren an were shi ne tivels is n i ומזייוואון ר מארו with an mil ikn er tigh Tite res dtel nthe acent rib france f int secultibette til wheth to rital l oluct fit ft m! n It tenest be pres I trites itt t ilt erect ralt 1 th r with ; rti ar i free e t it primer 1 + 1 thr le a tame to at 1 the e were t tol matern I ftfmm sam er ce t 4 | 1 he t the sound a persur

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failure in graiting from one species to another Not only should the two exest come from the vame mother fait from a herd having but one belt wither. He can libers that the applicant a somann of the principles deduce I from this experimental work would let I to a very familied titled for the employment of ovarini tran planta tion however the danger of true mitting infection would prove a con tain menace if index in the complex organ mod the hi her orders which the able to invatish as highly specified an orman as the ovars when tran planted if it is thing for a ject of empartled if use to the en a sa exist bed and another for it to fonct mate a an on, so if cettin.

THE THYROLD SECRETION

The relation of the thyroif ecretion to that of the over, has always been of marked interest to the physolomit and to the efforcian Rell has pointed but that an excess of them if secretion Is commonly met with in connection with privice lesions an I that di tincti in mu the mi le between cases which are the result of genital affects n and those cau ing them Total ovarian in uffi eienes arouses incres ed activity in most il be t in all of the other ductless gland thyroid as stimulated ju tas alter the mi fectoms the man increases in function thou hill enteres may atrophy lifter cophorectomy the thyreld shows a great increase in collect or otent. Lur. ther un lerdevel a ment of the avary is not neces unh a purmy factor in deliged puletts thou hoften a cerrelated con litten The therest and situatary secrets to in a sociation with the manin see the lactor most e neered in the t nai development I the genital app state. at puberty lelast i menstruation may be est n lary to the proof or ufference ju ta rien el aria rass be tem rank for to hyperityrul m spart fr mery th lour g ster felent estent its he are imparted hypothyre the air rlain to ele reskeeth taditutince oft' term ratunolitetter ilenth com West reg et t' re . h ca records tr etc ! s c full for just ret will may ter I dent i libratal't ser g calitic ar ett Mittellad I that the tracel at I lier The am while is all N trt I tre inta lathe at uces ats t and CACL I inti ec leave niere IN I ota litter a sest ariver the te er | man want ter the m the termitation and the ate f nim it fattett ifes ett jut t hathers tened there can anihala

enlarged thyroid. Here again gestation came on after several months of thyroid feeding. In each case raedication was stopped as soon as menstruation ceased.

This complementary association of the ovary and thyroid is again demonstrated in Basedow'a disease Graff and Noval s recent series of 15 cases and Frankel s of 40 are significant. Of Graff and Novak a cases a marked diminution in genital function was observed in 18 primary ovarian deficiency evident in in dysmenorthes in 6 sterility in 7 where pregnancy was possible Four women showed definite infantilism and in 10 others stigmata of hypoplasia were present No change in the semial function was seen in 12 patients, a became pregnant and grew worse and a recovered spontaneously in the second half of gestation Frankel found that in 8 of his cases the disease came on after the fortieth year 6 after to and 5 during the menopause Amenormes was the rule in advanced disease. He regards the hypo-ovarianism of puberty pregnancy lacta tion and the chmacteric as peculiarly predisposing to morbus Basedown

Thompson thinks that it is the interstitual cell secretion rather than that of the follicle which has most influence on the thyroid and he quotes Crile as having emphasized the relation between exophthalmic goiter and sexual neurasthenia. The thyroid becomes definitely hyperemic and hypertraphic during pregnancy and its function is accordingly increased Bell argues that such changes would naturally occur if the interstitlal ovarian secretion were absent during gestation thus throwing a tremendous strain on the other organs of internal secretion especially the thyroid and hypophysis This increased thyroid activity seems to take the form of a storage of colloid On the other hand neither metabol ically not actually has chinical experience or experimental research produced any conclusive evidence that thyroid insufficiency in pregnancy is the cause of eclampus. On the contrary hypoovarianism in gestation produces less effect in late pregnancy than in the non pregnant a con dition due either to the stimulation of the inactive thyroid by gestation or to the secretion of the developing foetal thyroid being conveyed to the mother As regards the etiology of eclampua indeed most recent study seems to fa nr the idea that this lies in the metabolism of the

THE HYPOPHYMIS

placents

No work on the physiology of the glands of internal secretion has created more interest than

that in connection with the hypophysis By this time the physiologic action of pituitrin as a stumulant of uterine contractions and its thera peutic value in delayed labor or in obstetrichemor rhage are so well established that no consideration of this phase of the subject will be carried out at this time It is desirable to include in this present résumé only such material as refers to the hy pophysis in its relation to the ovarian secretion Here again we find amenorthora a clinical expresmon when the pituitary gland is deficient. Hol stater and Fromme have most recently con tributed to this phase of the topic. In patients where amenorrhoen has existed for a long time without pregnancy as in primary hypoplasis of the pterus or ovaries or in general infantilism anzenes and cacheria a disturbance of the glands of internal secretion seems the most probable factor While it does not necessarily follow that the hypophysis is insufficient in every case It would spear that either such is the circumstance or else the addition of patuatary extract stimulates those glands which are ut fault or which under such stimulation are able to improve conditions At all events Fromme treated 12 cases by daily injection of z com of pituitrin s proved negative a doubtful while s reacted promptly His best results were obtained with those patients whereadiposity co-emited patients in whom disturbance in the internal secretions is most and to occur In some of Roistater's cases the amenorrhora had not existed so long as in memor atrophy of lactation and where mild ad nexal disease seemed to be the only pathological finding Thirty three cases were treated by hypophyseal extract of which agresponded after several injections by uterine bleeding very like menstrus tion Continued injections or the use of tablets Lept up the periods in ir cases and even where amenorrhon persisted the patients were symptomatically improved. This phenomenon was noted particularly in cases following custration and the mecopause Like Bell Hofstater has combined pituitin with thyroid extract especially in adioosity and Bell has used it with ovarian extract also A point of practical value clinically is the condition of the skin Where this is dry and rough the thyroid is most probably at fault but if fine and smooth the pituitary is more apt to he msufficient

Aschare and Seitz regard the hypophysis as absolutely necessary for the exutence of preg mancy and Bell claims never to have met with gentation in which the winnin suffered from a major degree of putilary insufficiency. While Bell insists on the unity of the whole gland Schlimpert and Siguret claim proof that the anterior lobe is uninfluenced by pregnancy and that the active secretion is obtained only from the posterior lobe a conclusion which is certainly generally accepted By its vasoconstructor ae tion Schlimpert has demonstrated pituitary presence in the fortal calf as early as the tenth week and in the human embryo ot the sixth month in local calves in the seventh month its influence on the respiratory center has been determined But while hypophyseaf insufficiency tends toward amenorrhoea and sterility excessive secretion has a similar influence. Thus hyperpituitar ism results in acromegaly on expression of masculmity bence decreased sexuality in the female which may be snasmodic or constant Cushing has shown that acromegaly eventually produces dystrophia adinoso genitalis or intuitary in sufficiency hence again amenorrhora and sterillty in the female

That the relations between the bypophysis and the genitalia are in some respects notagonistic is claimed by Ros le After castration this is not so evident where advanced age cachevia and similar factors enter in Thus at the normal chmacteric the hypophyseal influence does not become marked But in young women he finds reaction evident in a very short time after removal of the ovaries or of the entire pelvic vicera even in the presence of severe general disease This I shown histologically by a hyperpla is of the eosmophile and especially of the basophilic The fatter appear obundantly in those areas of the hypophysis where normally but few are found. That such cellular increase is responsible for increased sceretion and hence for some part of the internal secretors disturbance charac terizing the exaggerated symptoms of premature menopause remains uncertain That such may be the explanation however is suggested by Alecmann's experiments with castrated animals After removal of the ovaries or te-beles or merely of the corpora lutea he tojected animal with extract of the bypophy is The effect was the same in one cries of animals as in a series of con-When however the extract was taken from the hypophys of a pregnant ommal the effect differed materially In some there was a dilating action on the ve-sels and in others a constricting effect altogether contradictory This may explain many of the failure, reported in the therapeutie use of pituitary extract and it may also be construed as at lea t partially elearing up certain phases of the vasomotor di turbaoces at the climaeterie

The abnormally large excretion of calcium

salts as a resuft of hyperovarianism has fed in past years to treating osteomalacia by obphorec tomy Bossi has more recently suggested that these nationts be fed suprarenal extract instead While physiological osteomalacia has not been proven bone metabobsm is increased by the hy pophysi thethyroid thethymus and probably the parathyroids I urther it is quite possible that in osteomalacia there is a deficiency in these glands and in the adrenal as well as an excess of ovarian secretion. Thus we are face to face with a definite and logical therapeutic odvance to be followed in the future in all those diseases of the endocrinous glands where there is excessive secre-Instead of removing portions of diseased or deficient organs Bell now suggests the use of metabolically antagonistic extracts Pituitro may prove to be as efficient in the treatment of hyperthyroidism as it is in uterine inertia in labor and combined with suprarenal extract it may serve to counterbalance the action of the ovortes and thyroid leading to calcium retention.

THE ADRENALS

The relation of the adrenal gland to the gonads is as yet very imperfectly understood Addison a disease remains the only chinical recognition of suprarenal insufficiency charac terized in the female by amenorrhosa let as has been suggested a similar expression may exist in osteomalacia. It i quite within the bounds of reason therefore to regard the suprarenals as of great importance during pregnancy in assisting the absorption and retention of lime The amen orrhera in Addi-on's disease is opparently due to uterine otrophy. Noval, has recently shown a genital hypoplasia in rats following extinuation of the adrenal more pronouoced in younger than in older animals Partial extirpation caused no change Potency and capacity for conception was markedly decreased though pregnancy was not necessarily interrupted Selta on the con traty consider, that the adrenal is as es ential for conception pregnancy and uterme contrac tion as is the pituitary though an increased amount of adrenalin in the blood in pregnancy has not been demon trated. In undateral removal of the suprarenais in rabbits Bell found that colcium secretion was increased many times that of urea and pho phorus in less degree with no histologic changes in the ovaries. The pituitars appeared to be affected in the rapid production of infundibution

In excess of suprarenal secretion amenorrhora is a constant finding and pregnancy occurs in no well-defined case. In suprarenal cortical byper plasin secondary sexual characteristics are always modified in some degree a case of Benda s just reported being quite to the point. The ovarian influence is largely overthrown by such hyper plasta secondary mulo characteristica being produced where the external genitalia remain those of the female As a result of experiments with adrenahn on rabbits Steple came to the conclusion that the internal secretions from the ductiess glands play a rôle in sex determination. After feeding a x-roop solution of adrenalin hydrochloride to the animals for eight days they showed a loss of 30 to 50 gm in weight. The uterine horns were blue and atrophie and in the ovaries the germinal vesicles bad lost chromatin. The unne contained albumin and gave a positive adrenalm reaction

Since it acts in opposition to the oophorins Klein has employed adrenatin in treating that form of dysmenorrhoea in which the utence mucosa becomes over-ordenatous n condition attributed to an excessive production of the cophorins Not only was the pain much lessened but the duration was considerably shortened Again in dysmenorthes, due to insufficient secretion of the ovary adrenaun was combined with pitultrin the former acting as a vasoconstrictor the latter causing the uterus to contract, and thus congulated blood could not collect Results of this treatment were also very satisfactory

THE PINEAL GLAND

The pineal gland responds to the influence of pregnancy sumilarly to the hypophysis Aschner has shown that it becomes plumper and broader and that post-partum involution is never perfect Further after externation of the ovaries atrophy takes place This gland access to he somewhat nlited with the thymus in preventing sexual precocity and Marburg Frankel and Hochwart have described cases of premature sexual development where tumors of the gland were demon strable

THE THYMUS AND PARATHYRODS

The thymus, on the other hand shows a marked atrophy during pregnancy especially in the later months The post-partum change here is marked the gland undergoing an active proliferative process leading in a short time to complete restoration In the non pregnant state the thy mus in association with the pancreas and para thyroids is said by Caro to possess an netion inhibitory to the thyroid but atimulating to the hypophysis. Other investigators as Lampe, Liesegang and Klose find that this

atimulates the thyroid a conclusion to which Redlich is inclined to assent. Recent work on this phase of the subject is, however too scanty to provide a basis for new conclusions.

Of the relation of the thymus gland to the general metobolism but little has been worked out Whether It inhibits the development of the overy or whether such development follows on the withdrawal of the thymus secretion is indefinite Experimentally it is increased after cophorectomy as is the pituitary gland before puberty With the hypophysis it controls the growths of the body structures in general and with the pineal gland it probably prevents sexual precocity

Ciulio has studied the parathyroids in preg nancy and concludes that they show no increased functional activity until the puerperium Wassaghs produced tetany in dogs by extirpating the parathyroids almost completely just previous to pregnancy \assales had the same result where the exterpation took place during factation. This does not prove however that parathyroid in sufficiency is the only factor or even in essential one an tetany or erlampass. After complete thyro-parathyroidectomy Werelius found that pregnant does died of tetany from five to ten days sooner than non pregnant dogs. This io vestigator hoped to show that poborn pups would transmit to their mothers their own parathyroid secretion thus proving that these glands function atem intra uterme life In support of this theory his experiments were disappointing the only conclusion occruing being that the removal in pregnancy of any organ possessing internal secretory activity would hasten symptoms ordi narrly associated with such removal unless compensated for hy vicarious organic function in the fortus.

THE MANUARY CLAND

The relation hetwern the mammary gland and the genital organs finds evolunation in the in fluence of a bormone according to the results of transplantation experiment by Cohn who was unable at the same time to trace the origin of the hormone No doubt has existed for many years as to the influence exerted by the ovary on the development of the breast but this is not to he coofused with the influence exerted on the mam mary Jerion. No definite research during the emb to the influence of the rtal breast has been un mef # yen is the effect of casder uterus is of slight

evidence of mam where the uterus

was rudamentary or absent Cramer implanted ovanan tissue from an osteomalaeic woman and effected menstruation and the development of breast tissue. While not proven it is mo t probable that the mammary changes of men truation are due to the ovary The breat changes of pregnancy however are very different Starling Biedl and Foa have claimed that the hormone stimulating lactation takes nrigin in the foctus while Halban shows that the death of the feetus does not prevent lactation but that death of the placcota does Hence Halban ond Niklas argue in favor of a hormone from the charionic epathehum a theory which at present come most tenable Castration shortly after conception does not prevent breast changes or the erretion of milk Cohn is not so certain of a pecine action from the placenta and suggests that the increased mammary production during the putil erium is due to a non-specific lymphagogue activity

Oo the other hand such phenomena a milk secretion after castration changes in the climac tene or in case of purulent or neoplastic destruc tion of the ovaries all point to an antagons in between the ovary and breast The eventual lymphagogue or leuco-timulant depend on the ovary in so far as they become effective only after ovariao netleity has cea ed fatirpation of the glands in guinea pige had n influence n the length of pregnancy or labor a reported by schiffman and by taxel results coinci line with Scherbach s The injection of mammary gland extract into animal not fully diveloped retar led theorary or to tiele in it complete grewith These indifferent results from experimental research max explain in part the nm tx satt lacture succome following operative or a dure uch a cophorce tomy in careinoma (1 the brea t and mammar) amoutation to limit exaction activity in extreme C3 62

THE DECIMEN A A LANG OF INTERNAL

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blood in evers we amounts at the end of greatation holms has attempted to offset the theory in recent experimental work on guinca pi, so In in sense labor was not influenced by the intravenous impection of relatively large does of maternal jug serum collected just before and just after labor nor by injection of serums from young pig removed at term by indominal section and immediately after normal birth nor by placental extract and human placental serum kolme therefore regard You for Hierdes theory a not supported experimentally and labor os out an anaphy lactic

DEDCCS The tendency to regard any structure ol per fert cellular construction as canable of produc ing an internal secretion had led Stameni to express the opinion that active dilatation of the uterus is due not only to the influence of the cor our juttum but to that of the ilection as well. He saw a striking histologic affinity between the glands of internal secretion and the decidua On this ha is Gentili undertook a series of experi ments to determine the presence or absence of some pecific secretion. Liuman boxine and canne decidual extracts were extremely toxic when tajerted into rabbits. Decidual extracts from rabbits ood guinea jugs were toxic in in crea ung degree when injected into animals of the same peeces. The phy scal igns and symj toms following to cetton were similar to those produced by intravenous injection of glands of internal secretion as were post mortim appearances. In some cases the toricits was greater when the extract was taken to the early months of gestation Decidual extract further show a con tant in fluence on the blood pre- ure lowering it ram liv with a disturbance of the cardiac and respirators thathm Centili concludes that in the deer has there exists a ubstance which favors the intra vital coagulability of blood and which may be neutralized by the strum of the I lood of animals of the same pecies. Hence the disclusions is ufficient of the characters ties if the indocrinal system to be resard d as a gland of internal secretion. It is to be hoped that further work

with the particular tructure will be undertaken. With our present knowled it the entire on the right with mean but be en iden I a a chile and the warmou internal sections be studied to getter. With further clinical and experimental research Lores it may a neith the repearly cular effort ray be directed towards a certain organ is the logic that a finite information may be executed. The udgent is deficult and involved yeters as backnown collact standreally to-day to "ow that the equeue in of the currelation of the

internal secretions has pas ed beyond the stage of mere theory The treatment of many presi ously obscure conditions has been materially assisted by the work already done yet this bespeaks only further work and a greater success in the future

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ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ANÆSTHETICS

Boothby W M 1 The Determination of the Angathetic Tension of Ether Vapor in Man with Some Theoretical Deductions Therefrom as to the Mode of Action of the Common Volatile Ameribatics J Phas m at Let Therat 194 370 By Surg Gyare & Obst

The term anæsthette tenson is employed to indicate the partial pressure of ether vapor that ster equilibrium is established can maintain the subject in the stage of ideal suspeal anæsthesia for an indefinite period. Curves are givee showing that the anæsthetic tenson of ether vapor for man is between 47 and 54 mm —probably 54 mm.

A noring hypothesis based on the theory of Meyer and Overton is suggested to explain the mode of action of the volatile tabilation anesthet les which can be summarized in the quantitativa reventido equation Mn+An=MnAn method the percentage staturation of the succeptule molecular to the nerve cells (Mo) and therefore the mines to of the cell function—the third that the condition of the cell function—the the succeptule molecular of the cell function—the the succeptule molecular of the cell function—the function of the cell function of the sansathetic wapor of the cell function of the sansathetic wapor of the cell function of the sansathetic wapor of the cell function of the

To humonize the fact that large anatoms occur in the amount of either required by the usual methods of anxithesia with the fact that the same either tension produces the same dayers of anaesthesia all patients it is no inted out that the apparent variation can be accounted for by (i) changes in the volume of respiration (i) changes in the volume of respiration (i) changes in the volume of respiration (ii) changes in the volume of respiration (ii) changes in the volume of th

Flemming A L A Review of Inquests Concerning
Deaths During Anaesthests Proc Ray Soc Med
9 4 Sect Anaesthestes 7
By Surg Gynec & Obst

The unitor gaves a summary and analysis of prodents from ansubests called from the lay pressecounts of coron rs impusts. The fack of scentific accuracy and completeness is to be regretted and also the fact that within the profession there is no adequate source of knowledge as to cases in which insertitely save any pet it in ensuing death and the contract of the contract of the contraction of the contract of the contract of the same sharing mentioned. Indiscreets selection of the

anesthetic is the first cause mentioned. Chloroform was used in ensy cases where it is now known to be reduced or absolutely contra-indicated. Former most of the administrators were mee of very limited expensive who perhaps acted on the example of men of greater judgment rather than on thorough instruction and training which brings forcibly to attention the question whether there is not some deficiency in the practical part of our teaching system.

The personderance of chloroform a straing 176 cases to 36 anly of ether besule roo of matures containing chloroform indeed it is inexplicable considering the world's knowledge that ether is sifer and should be the sorethetic of choice. This fact is graphically shown in one of cight tables which the orticle includes on the anexthetic used. The other tables are on the age of patient sex, apprent cause of death nature of operation stage at which death occurred complicating factors and antly as of embarrassed breathing. The writer poots out the emphasis revealed by

these facts of asphyxia under chloroform the prominence of tonsils and adenoids in embarrassed breathing the sudden death to such cases even after operation (due to ventricular fibrillation from lightness of anasthesia or syncope or asphyxia?) and he points out the difference between what he terms incomplete and light anasthesia. As to ether as the anæsthetic especially in cases of embarrassed breathing he advocates it for induction even where chloroform must follow. The ange thetic was responsible for death in 52r of the 700 cases Of deaths after the operation acides s was alleged as the cause in only 7. In referring to the work of Levy on ventricular fibrillation un-der chloroform he points out the intermission and reapplication of the anasthetic n practice we now know to be very reprehensible though the many unsl Bed administrators seem slow to appreciate In anora association the choice of drug is shown to be amportant chloroform and adrenalin with chloroform heing dangerous

The art de is a most instructue one harring the onscentific, set of y source of information, and the writer deserves thanks for his paintfaling compilation. Surgeons in general and untinued administrators in particular are too prone even in these enhightened days to let arresthessa be a matter of routine or unthinking application and for fay

sources of statistics to show anaesthesia so hasardoms does injustice to the best available work. The discussion recotisted around the loaccuracy of the lay information and the demand to professional records accessible for study—a matter those who have worked on anaesthetic mortabity must appreciate

Gwathmey J T : Off Ether Angethesia. N Y
M J 913 xc-m, 1101 By Surg Cynec & Obst

Regarding this formus use of carron out for each either assesshess the nathor states that it mes used because it parted with ether in solution readily his an error of a hospital pharmases in compounding it with olive instead of linsteed oil thereby preventing proper muting of the lines water prompted the use of umple olive oil, which has continued and he benefits use of umple olive oil, which has continued and he benefits with a green central therefore the control of the control of

The advantages claimed for the method are () Avoidance of apprehension caused by a face mask (a) no expensive apparatus ()) after effects mask (a) no expensive apparatus ()) after effects reduced to manumum (a) complete relaxation (he claims more than its any other known method () (b) the limits of safety are we dend compared with other methods (0) a more evan plane of anesthesis than by anhalisation methods unless in the hands of a skilled onesthebit with perfected apparatus. These conclusions were based on about 100 exclusions are to be about 100 exclusions are based on about 100 exclusions are based on about 100 exclusions are the based of the method attentions the based of the method after having had appearency with other methods is taked in accuston.

other methods is cited in argument. Ame illustrative cases are icted. All but one—a grid of 9 sares—received preliminary medication as grid of 9 sares—received preliminary medication and chorestone by recrum. In some a port on of the mature had to be withcrawn it wages of every dose can appear the company of the company of the mature had to be withcrawn it wages of every dose can appear the company of the mature had been appeared to expend the company of the most bear respiration should be amonth and saay with out afteror and with referes, especially it refer present. No deaths were properly charged to the ansathetic though one cassed within trently four hours from extensive organ is clueste. Ca can good judgment must b exercised in the doses of preliminary medication and in the afrecash of the

either sol ion
Physiological action is based upon the separation
of the either from the oil ofter its introduction us
absorption as age screculation in the blood, persong
absorption as age screculation in the blood, persong
there is a separation of the separation in the separation of the personal pe

circulation of the ather through the brain moreover preliminary hypodermatics explain analgesia

The indications for the use of the method in, especially bronchoxopy Urives disease other conditions of fear or need of anot association operations on or about the heaf cases of previous names and vomiting. The contra indications are made of the same as for other above colon and rectal inflammation. When a surgeon must work above or the same as for other and the same as for the s

The dose suggested for guidance is For children under 6 years a solution of 50 per cent 6 to 18 years, 55 to 65 per cent - these without preliminary medication is to 15 years the same with perhaps addition of morphine /t gr and atropine 1/200 from 15 years upward 75 per ceot with preliminary medication according to the jodividual case so munutes before operat on and aith usually chloretone s gr m ether s dr mixed with olive od 2 dr by rectum The preparation of the patient includes tragation of the colo but not purging and rest in bed for two hours. The technique is introduction of the oil ether solution by funnel and catheter to 3 or 4 soches within the rectum the patient to the Sims position taking at least five minotes for sight ounces lifter the operation a pair of small rectal tubes are totroduced and the colon impated a th cold soamud the about a to 4 na of olive o l nly atroduced for ratention

Hayd C.G: Rectal Amerithesis Techniq e for the Induction of O I Ether (Colon c) Amerithesis (Gwatharey) Post-Grad yie 9 4 xxx 120 By Surg Cynec & Obst.

Heyd reports 30 cases of col nic d ather ao authors from the les lo k Post Graduate Hos-

partal The term que non used: as follows

The preparation consist of mild laxative the
aught helore operation but no purgue sospauds
enems a the morang and alone irrigate of the

colon three hours bef re persison.

The contin indication are the same as for ether though from latus asthmic and illney from former ather by inhalation are not a fund a re. Duesses of the lower bowel considerable distress by the patient on the introduction of the solution are

contra indications.

The apparatus consists of mail c theter and funnel for the oil ether solution and t o small tabes for a thdrawing any of the solution in from the rectum.

One hour before perat on there a admin tered per rectum chiloreto gr. ve the a do oil in of each drams to 4 one half hoo before peratuo an injection of morphism g 3/4 tropine gr s/roo — /roo is gn bypod manically. The muture consist of olds oil 2 ounces either six ounces f a eak accumic adults ether 53-65 per cent oil 45 33 per cet for halder the 50

per cent in nil. With the patient in the Sims position the catheter is inserted a inches and the solution injected, taking ni least 5 minutes The quantity used is r ounce to each 20 lbs of body weight. There should he a delay of rn in 3n minutes before moving the patient

The danger signals are loss of hd reflex stertor or embarrassed respiration approaching cyanous When any of these are present 2 to 3 n2 of the solu

ton should be withdrawn from the rectum

The post-operative treatment enhants of im
mediate irrigation of the rectum with rold soapsods then withdrawing nne tube 2 in 4 nz of
olive oil and n pint in a quart of cold water should
be injected and the remaining tube withdrawn

Skillern Jr., P G On the Blocking of Infra-Orbital and Mental Nerves nt Their Forardna to Induce Operative Ansathesia in Their Cutaneous Distribution Sarg Gync & Obst 1914, m 387 By Surg Gync & Obst

In certain spectators upon the face local anesthess by subdeman inflirtuous may be undeau the because of the close relation at some places of cartaling in of home tin the surface as well as in the disadvaotage of working in the use made codemators by the tojection. The distribution of the fifth nerve to well defined territories and the emergence of some of the important branches frem superficial foramina render nerve blocking an ideal method of ansiethess. The author describes the application ansiether of the author describes the application and the mental nerves.

The first patient presented upon the lower half of the right and of the most just above the als an indoest epithelium – rodern luter — the size of a thimbus! It was decided in desecate the ulcer with the bight frequency sparts. On account of the with the bight frequency sparts. On account of the forming the foot of the ulcer infiltration was as forming the foot of the ulcer infiltration was set forming the foot of the ulcer infiltration was set forming the foot of the ulcer infiltration was better the same than the state of the same than the

In order to determine the feasibility of inditrating the nerve throughout the infra indital canal. Skillero injected the latter with methylene blue in a cadaver and found that it traveled back to the sphenomaxillary fossa. He suggests this technol for the relet of toothache and for painless estruction of teeth

The second case had to do with blocking of the mental oers to accesshetize the lower hip for operation upon an ep thebona at its core Both mental nerves were rached at their formaling. The technique is described to detail. Had there been cervical lymph nodes to be removed it would have

been feasible in have blocked the second cervacal nerve at the middle of the posterno broder of the stemomastood muscle. The author points out that the dental branches in the incisor and the camue treth may be blocked through the mental furamen and since both nerves supply sur teeth genuine puniless demistry would be realized fair nearly anefith of all the teeth and in least fair the most sensitive oces. Toothache in any nil the six may be readily relieve.

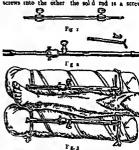
SURGICAL INSTRUMENTS AND APPARATUS

Online E. and Mathleu P: Apparatus for the Treatment of Fractures of the Leg (Apparel pour le traitment des Inatures de jambe). P: 10 mil 19:3 xx: 98 By Journal de Chrurge Oulena and Mathleu have moduled Lambret s

quenu ann aistinct nave modified Lambrets apparatus which consisted of two skewers immafining the bone above and below the sest of the
fracture and in which reduction are shortening
was produced by withdrawing the two skewers
from each other along two roofs jvong parallel in the
aris of the limb. They have modified both the
skewers and the lateral roofs.

Each skewer is a shaft nt nickel plated steel 25 cm long varying in dismeter ap to as much as 6 mm. One of its extremities ends in a hit 2 cm long with fine threads the other ends in a flattened head to be inserted toth the auger.

Each rod is composed of two shafts nne of which screws into the other the sold rod is a screw



FI (Qut u and M thien.) Stewer with lides to hold this hooks of the rod in place. The (Qorn d Mathleu) 1 rod with but to immobilize the solid shall a 1th hollow shall B mall hook to facilizat the 1 runs of this berrel scree Fig. 3 (Quinu sod Mathleu) Qufn and Mathleu s popuration to position.

throughout see length with threads 2 mm arrive and it is passed through the hollow chalt by a screw turning in a circular groove oo the corre ponding cod of the hollow chalt. This screw le harrel chaped and has four thumb pieces which facilitate ite turning. The terminal end of each rod has a hook into the opening of which the ekewer fit

The accessory pieces joclude a si le f ved to the

elener by a pressore screw which holds the hool m position and prevents ite being displaced toward or outward and a little guard which is acrewed onto each pointed end of the ekewers after the apparatus is in place

I or the technique of application of the apparates the reader le referred to the original article I DIMOYZ

SURGERY OF THE HEAD AND NICK

HEAD

Frank, L.: Epilepsy Surgically Considered; a Pre-Itminary Clinical Report Am J S g to 4 By Surg Canec & Obst ELL MAXE

The author divides epilepsy into the two classical types (1) the so-called bi opathic essential or genuine and (c) the secondary Jacksonian or traumatic. Nearly all med cal men agree that the proper course of treatment of a secon lay epilepsy is operative flowever the more we know about epilepsy the more we are inclined to secribe some definite cause for its onset and the more cases are considered culticate for currical treatment. Up to the present the only euccessful treatment has been surgical and the author makes a plea for operative interference when there is a possibility that the focus of the trouble can thus be reached

The method which the author usually followe is a two etep operation. At the first cition the cramum is opened and at the second eight to ten daye later the dura is opened and exploration of th brain carried out. In a case which the author reports such an operation was perf timed and the moto arers for the arm center the part mants affected was excised 6 mm deep I ollowing the operation the patient made a gradual but eteraty I ti Sur tecares

Kerrison P D., Barany Theory of Cerebellar Locatization: D agnostic vat e I the Pointing True in Gerebella Aborem. La y 1 F e 4 En En Surg Cynec & Obst

In the diagnous of cerebellar abscess without focal eymptoms the application I the pointing t sta is of value but before these can be applied a knowl edge of the normal pointing reacti as is necessary. By this a meant the departure from the normal pointing accuracy which regularly occurs in reeponse to vestibula irritation Normally with eyes closed and h ving located some fixed object by the sense of touch the patient lowers the em and again brings the finger into contact with the object. Theo if the right car is irrigated with cold water a rotary nyetagmus to the left develops and the individual tends to fall to the right. If the possible accuracy is quickly tested it will be found that the hand in heing lowered will deviate from the vertical place to the right and so being raised will exerve ctill further to the right describing a h

to the right of the object. Stated as a rule the pointing deviation resulting from vestibular limits tion is invariably in the direction opposite to thit of the indu ed hystagenus it therefore corresponds with the direction of the falling tendency

In auspected cerebeller disease the loss of pointing accuracy to both hands should be tested If the symptom is present it will be lound that the arm corresponding to the cerebellar I sion will regularly deviate outward while the opposite hand will con tinue to point with normal accu act. This result abould then be corroborated by test ng the react on to vestibular irntation when it will be found that in the presence of an induced pystagmus the affected arm does of deviate in the opposite direction to the ayategmus but continues to detaite outward white the other arm deviates in its opposite direction. Io a case reported by Batany lo which these recommendations are pred city instituted to lowing execution. of the right rerebellar abserts the no m I por ting accuracy of both arms becan e rormal but on testing the reaction to vestibular irritation the left arm deviated to the left while the right arm continued

to point with normal accuracy Barnay bet eves that there are apparate centers in the cerebillar cort t a pull or tonus upon some particular joint or is to trolling muscle groups. The effect of my lesio funct mally suppressing any one of these centers is equ valent to stimulating the prossog cent r and thus the spontaneous deviate no from o mal accura y res liting from cerebellar lessons re to be considered wholly the re wit of cerebeflar ners tion to set we ha e definite a form thon of only a f w important centers that to ste evertings ward tonus upon the wast a d houlder her g located so the middle inf rior lobe

e r th glocculus These are th most important I om the standpoint I dig osn as they are the

Barany etheory of the cause of the bove phenomensus as follows. The pontaneous out wird point no deviation which occurs as so occasional focal symptom of cerebell r abscess e tumor is aused by pressure upon the enter 1 of ed In the case of the wast r shoulde the n and tonus ber g for the time abolished the hand or arm in point g is dominated by the still intact center for out are tonus and therefore deviates outward. When the abscess is evacuated the pressure is relieved and

the center regains in part its control of position sense in the point involved. This partial restoration of functional activity is probably reinforced by the balacting of activity in the opposing center for outward tonus and reasoning by analogy it is also possible that the cerebrum may play some part in the correct arm movements in the vertical plane. E. K. Alasirstoo.

Azhausen G Brain Puncture (Die Himpu Lion)
Erg b d Chir s Orlk p 93 vs 330
By Zentralbt f d gea Chir u i Grenageb

A sens of questions which the author addressed to the large hospitals showed that internities do not necessary to the suppose were opposed to putter of the reinterles. It was the sam of the nutries of the reinterles. It was the sam of the nutries of the hospital to overcome this oppose on. After a short introduction be discusses the technique in detail the diagnostic value of the proordure depends on a thorough benowing the and following it carefully in all the details. The different modifications we designed critically and the comparative value of the different instruments used.

The author helieves that puncture should be performed only when it is possible to follow it up mendatally by trephining if accessivy therefore it should be done only in the operating room for in some case of abscess and hemorrhage it is mostle value as in the local diagnosts of untraernal hemorrhage for by no means all of these cases are typical especially where there is also concussion or contus on of the biran or fracture of the skull. The stame thing is true in traumatic or lens. If makes the diagnosts of abscess easer and the author believes the danger of preading the infection is greatly exaggerated.

Puncture should be practiced only with great caution in bra tumor for small hemorrhage from the first blood vessel which cannot always be avoided may cause threatening ge eral pressure symptoms. In the disposis of hydrociphalus internus it is equal to lumbus puncture.

The author is much in re-restrained in his discuss on of the therapeut c effects except in hemorrhage. In evere supradural hemorrhage it can be used as a pallini v treatment in rider to gain time for per to m! subdural effusions it often suffices of itself to a sud th afte effects. Corre-

NECK

Caldwell C L. Congenital Tumors of the \eck_ La cet Cl 9 4 364 By S ng Cynec & Obst.

The author discusses in many-doxy of tomora i congent all ongin c mes to the conclusion that the elenca addul low topro eth the hymphat is exautise described by Veau and the jugular sace of we led by Sah — e but different i terpretations of the has log at facts and that in these hymphat is less—o pulstys more accurately

spealing jugular sace—we have the fortal anlagen which result by arrested evolution in the multi-locular serious cysits, the nature and disposition of which correspond most incurately with that of these sacs. The obsence of w true endolbelial investment of these sacs or cysts may be explained on the theory of atrophs from intracystic pressure.

The author offers the following elassification of congenital tumors of the neck

Location—Vedian—From thyroglossal duct from accessory thyroid rests

Lateral—Bronchiogenic cysts multilocular serous cysts teratomata branchiogenic careinomata (Collmann) carotid body tumora

Consistency — Solid — Teratomata branchiogeme

carcinoms carotid body tumors

Cystic — Branchiogenic Ectodermic-d

Cystie — Branchiogenie Ectodermie-dermoid entodermic mucoid entoectodermic-oucoder moid Serous cysts or mesodermical Multi locular cysts hygroma colli hydrocele colli

cystie lymphaogioma lymphocele

The case is reported of a boy 8 years of age who for three years had had a tumor which had been aspirated several times but had always returned. The tumor was located on the right sade of the neck and extended from the mastoid and external auditory roceisus down to a finger a breadth from the clavicle at the junction of its middle and liner thrusts and from almost the median line posteroily to the modelle of the night inferior mavilla in front the modelle of the night inferior mavilla in front the timor was not tender and scened to fluctuate throughout. The asymmetric fluid was straw-colored throughout. The asymmetric fluid was straw-colored throughout and believe the state of the strain of th

THAMB I CONVEIL

I ersen T The Parathyroid Glands in Golter and Basedow's Discose (Les glandes parathyro des dans le go tre t la maladae de Basedow) A ch nier 1 d h 19 3 \ 54

B) Journ t de Ch rurgie

The parathrood glands was independent organs having a special and necessary function. In the normal state there are two parathroods on each side in 85 per cent of the cases in 9 per cent of the cases 3 and in othera 5. The dimensions we on an average 6x4xx ambimeters. They are located als g the posterior border of the thyrode and the securior larguaged and the securior larguaged area. The location such the recurrent larguaged area somewhat different from the disease. It is more apt to be injured in operations for gouter than the left recurrent.

kmong 25 cases of gotter 22 of the specimens being from the cadas r and 3 of them from operation the author found four parathyroid glands in 14 cases or 56 per cent 3 in 9 cases 36 per cent x in

one ease and 5 in one case

In gotter the upper parathyro ds keep their normal position the lower n range d spiaced flown ward by the growth of the thyroid Their size is pract cally the same as in the normal condition Sometimes however there is an increase in length and breadth with o decrease in thehesa There is no change evident in the microscoric structure In some spec mens from operation there have been secent hymorrhages

In 5 cases of Basedow a disease he found 4 para thyroids four t mes and a once Tre size and location of the parathyroids are the same as in golter. The hi t logical structure does not show any constant change In particular the number of fat-cells in the int retitual e meetive traue is not alwaya socreased liere too apecimers from onera tion often showed recent hamourhages

In man as in anim is the total removal of the parithiroid gl nds causes fat I tetany It is a question whether les ing one par-thyroid suffices to prevent tetany but it is certain that if two glanda are felt it does not occur lo some cases the tetany is chronic and troph c diaturl 1 ces predoreinate

I regrancy an I Isbor Increase the sensitiveness to parathyroid fusoff ciency a point which should be remerehered in operations for gotter on women The author found parathyroids in the apecimens which he examined in more than half the cases of estreption and resection and in som cases of esuci ation of gosters He only found them rately in cases of enucleat in resection

The best operation for spring the parathy mids and avoiding tetany is a slight modification of kechers enuclation resection. The operation should be sobrapeular \ liver of thyroid tissue 4 cm beas I should be left fo front of the recurrent nerve The large her ches of the 1 I nor thyroid artery should be avoid f and the small branches figured at their entrance loto the thyrod gland. The veros also shool I be bested as I err as possible to the this road There is no known treatment for chronic tetany Recent expersoce in the trans-plantation of thyrone's has shown that o ly antotransplantation gives any results while in homoplastic tran plantation the graft deappears or loses its fonction Camoust

SLRGERY OF THE CHEST

CHEST WALL AND BREAST

Judd L. S I'nd Results in Operations for Cancer of the Breast S rg G et & Obst Q 4 Mg

Judd presents a re-ter of the results of operations for mammay cancer to the Vayo class of operations for mammay cancer to the Vayo class from January 1 tots This cover 606 cases of whom it has possible to freee the aubsequent histories in 514. In all the patients the operations were to I cal an I consisted in the removal of th entire breast stullary glads and fact including the pectorelia maj r and minor muscles. usually all 10 one p ece The diagnoses to all of the cases were made from both macroscopic and micro scopic evid nee Of the 603 patients a we e males one of whom is alive without recurrence I years after the operation and the other hed at the end of a yeare a d 8 reontha from recurrence

The youngest patient was 3 years of age and the oldest B5 years of ge By decades the r distribu tion was as follows.

20 to 30 years of age 13 4ź to to 40 years of age to to 50 years of age so to 60 years of age 228 F47 60 to 70 years of age 24 70 to 80 years of age 27 So to oo years of age

Of the 13 patients und r 30 years of age 5 ace abve and well without recurrence Of the 514 patients of whom the subsequent history is known 266 or 5a per cent are known to be dead though at I these theil from ther causes with ut clinical ugna f recurrence of carcinoma ! 151 g a bilance of 48 per cent of deaths probably from cancer for the entire series. Of the 514 patients 245 are known to have hard from a years fo re years and 4 month ar of there are known to have recur rences

Of the patients operated on during the 3e is rooz and roos 40 have been traced 27 are known t be dead from various causes let un a percentage of Is all e without recurrence more than to years. Three of those who died h of more than 6 years

and deed from other causes Of the 321 patienta operated a more than 5) care and were traced 45 re known to be dead and too live g a percentage of 40 wh have beed more than 5 years Sur of the living have recurrences at present Fourteen of those dead have ded from other causes than cancer

Of the 510 patients operated on more than 3 years sgo 437 ha e been it ceil ags are d'id ion bring a percentage f 45 of patents lat g more than 3 are I wenty seven of these have recurrences at present h eteen of those dead has died from other causes

One case to reported of a patient who died 9 years and one mo th after the prim ty operation from general executous one from internal metastases without local recurrence 6 years an 1 5 months aft r operation and one on whom a secondary operation for recurrence was done years after the pinnary operatino In this latt r case the patient cemained well oearly 3 years after the secondary operation

While noting the importance of an immediate radical operation after a diagnosis of carcinoma from a test specimen Judd notes that the delay in such procedure does not always necessarily mean

a bad prognosis

Conversely he notes that patients in whom there is a very small mammary lesion without deter minable glandular involvement may die of early internal metastases. He notes that while cedema. of the tissues is usually a contra indication for operation one patient in his series in whom the prognosis was bad because of ordema and yet who was operated on as o palhative measure is still olive

without recurrence 5 years and 3 months later Judd notes that cancer in the lactating breast bas usually been rapidly fatal A very large per centage of the patients heard from have reported that fonctionally their arms are practically as good as ever Judd notes that when it has been necessary to destroy one of the motor nerves the function of the arm is much more apt to he impaired Not over 5 per cent of the cases have had swelling of the His condusions are as follows

t Results in operations for cancer of the breast are as good if not better than results in operations for cancer elsewhere

s The prognosis in younger people who received the benefit of an early operation was better than had been expected

3 The prognosis is variable in a certain per cent. An extensive external involvement may give a fair prognosis while a slight external lesion may

- terminate early from internal metastasis 4. That metastasis may occur many years after the operation, though in the great majority of in stances it will appear in the first few years if ot all The difference between the percentage of patients living over 3 to 5 and 10 years is not as great as might be expected but this is because most patients who die of the disease die within the first 3 or at least the first 5 years Living 5 years without recurrence means n very small probability of trouble after that
- 5 Comporing these results with those of former years, we feel that the results are improving and that the improvement seems due to the fact that patients are coming earlier for treatment rather than to any improvement or change in the technique

MacCarty W. C. Clinical Suggestions Based upon n Study of Primary Secondary (Car cinoma?) and Tertiary or Migratory (Car

cinoma) Epithelt I Hyperplasia in the Breast S & G) ac & Ob1 94 By Surg Gynec. & Obst.

The mammary actions consists of two rows of epithelial cells when the differentiated cells finner row) and the undifferentiated cells (outer row) are present the histologie picture may he spoken of as primary epithelial hyperplasia. When the differentiated cells are absent and there remain only the hyperplastic undifferentiated cells of the

outer row the condition may be referred to as secondary epithelial byperplasia. When the line of demarcation between the byperplastic undiffer entiated cells and the stroma is indefinite or absent and the epithelial cells appear in the periacinar stroma the condition may be spoken of as tertiary or

migratory epitbelial hyperplasia. At present surgeons bave no very definite method or stondard of dealing with the doubtful group. Radical operations are sometimes done when they are not needed simply because the sur geon gives the patient the benefit of the doubt The writer has orcasionally seen carcinomata

excised for henigh thmors

It seems that there should he a mean between the two extreme conditions and this mean should with the aid of a knowledge of the stages of epi thehal hyperplassa serve to scientifically solve the following problems

r The percentage of cases of tertiary hyperplasia with or without glandular involvement which may he cured after an arbitrary period of ten years from

the time of radical operation

2 The percentage of cases of secondary byper plana which will remain well ar recur after the cemoval of the mammary gland itself without the removal of the glands muscles and large amounts of slan

3 The percentage of cases with local chronic mastitudes or encapsulated conditions which return ater with secondary or tertiary hyperplasia after

local removal

The question for the surgeon to decide is whether or not he is willing to run the chance of local recurrence after wide local removal of a malignant condition followed by an extensive operation often microscopic examination or take the credit of doing radical operation unnecessarily in an attempt toward conservatism This with our present knowledge can he answered only by conscience and not by scientific data. The following plan suggests itsell

s The conditions which are associated with classical chinical signs of carcinoma should he treated radically

2 The doubtful cases in women near or over 35 years of age should have the entire mammary nd removed for immediate examination primary or secondary hyperplasia he present othing more should he done if tertiary hyperplasia he present a rad cal operation should be performed. 3 In doubtful patients near or under 35 years

of age a wide section of the mammary gland in cluding the pathological conditions should he removed for exam nation. If primary hyperplasia he present nothing more should be done. If secondary hyperpla is be pre-ent the rest of the mammar, gland should he removed and if terriary hyperplassa he present the radical operation should he accomplished

This plan avoids incision of tumors and removes the possiblity of unnecessary radical operations.

Citrkson F A Primary Endothelloma of tha Pleues C and II lis J 10 4 1 192 By Surg Cynec & Obst

The nuthor reports the following cas in detail A short discussion olso accompan es the ease history A young Lagishman 27 years old applied for invorance but was drelined liss family history was good but his physician found duliness as high as the sixth rib with absence of breath sounds in the same region 1 month later the duliness reached the elavicle and a puration removed 50 oz of straw colored fluid which contained on religious elements and was negative on culture and inoculation Fi e werks later the fluid re accumul ted in suff cient quantity to cause dyson ex and a second a ptration drew off aunther 80 oz At th third

in tie a mrateri flu i The patient complained of go pain - in feet throughout the whole illnes the absence of pain was a most atribing feature. A sight cough gava enough sputum for examinati n but no tubercle burills we re f and Calmette s rention and later Alorro a were both negate Lp to this gos t in the diser e there had been n fever the only subjective as protuma bel g slight di pnara nu exertion an l progressive we kness - the pati at

operation three we ke later some blood was noted

fort weight rapidly

Framunation showed deferent movement ver the whole meht side of the thorax Vocal framitus and resonance were absent Percussion note was dull as tugh as the second of and above that Shodale sesonance Below the fourth of no breath semule were heard above breaths g w # distant bronchist, with course rates at the nd of any ration. The left chest was hyper resonant and the breath sounds were pueril. The aper best was in the fifth interspect one half such out side the mammillary bue. The sou is a ri normal The apes Posterurly Crocco a triangle r of lie marked out on the left sale. The liver was at the umbil cus The spiceo was not pripable | true ag 10 % no sugar or albumio | Blood red | 1,500,000 whites

10 000 Portions of the 12th and erventh ribs resected in the anterior a illary be \$ 1 rgs quantity of blood star ed il 11 escaped and the pleuril casity w lined with incumerable fibrin noclales A large sized from ge tube was intro-duced from which flud was con tantly I charged at first sammuneous but t ari the e d greenish The patient gradually grew waker became re markably emacated I do I bout a months

after the symptome appeared was found to be thickened (5 mm) and himly athere t to the ribs and sternum When this was do tled a large ragged cavity was d'sclosed with many rou ded t go attached to the w || (from t | 4 cm in dismetee) as well as numer us tringy masses more less family connected with the plura. The right hog was collapsed and a less but en tamed no new

growth. The viceral pl ura covering it was of the same nature as the parietal-thickened and covered with re funculated tags. The only poction of the pleurs which could be separated at all easily was that part close to the anterior mediastloum On descring off the pleura the new growth was found to be of about the same h mogeocous color and consistency as a fresh-cut section of testicle bery frable and thicker in some portions than others the neoplasm seemed to be confined almost entirely to the innre surface of the pleura. Only in one place was there a lef nite nodule on the outer

Best les u thisted stomarh and a slightly colarged aplean all the other organs were in a normal and

healthy e mittion.

Microscopical exum nation of sections of the thirk encel pleura shawed the new growth to be an en lo thel ama The pedunculated tags were almost entirely flown At so place could there be found avidence of the invasion of the n w growth into the sortound ng tissue the li e of lemarcation between the lung an I pieura being always clear and well defined

TRACHEA AND LUNGS

Godler R L.: Foreign Bodles in the Air-Passages. Ch at JJ 29 4 Min 277

The question of foreign boil es in the sir passages sa I great importance to all but particularly to the gener I pract tioner upon whom rests the respond blitty of an early largnosis. The bronchoscope is not a diffcult insteument in use wh is noc has become accust med to it Stereoscopic shagrams are atrongly arge I and it is evential th t they be taken in t taneon ly i order to clud the h ut movements an I to climins te sh down due to glands inflaromato y producta and vessels. The presence

(a foreign body may give rise to very lew symp-tom though the prof ged or e en abort residence a bronchus comm nly gi ra rise to chronic bron chits and bronchicciasis. The firm in beyond the obstruction are ne er rie red of accretion which then becomes septic. The utho long experie ce has convince f bim th tat a more comm a for the patient to forest the o id of which led to the pres-

nce of the f reign body than to meent a tale The most import at point fd tiartion of loreign bodies is whether they are or are not septir their own right inother tire tig district n is 10 regard to abose bodies who h may where er they ong right h ppen to at p a d those sh h at once tart oo th ir migrate as the constant n !! reible me m nt r g with every inspiratio being responsible for the latt

Ih. If cas of the lodgment of tore gn bodies to h pres gra vary with the h ract c of the finds g body a I th point I lodgment A large piece of meat or some the a milar soft body if impacted in the traches quickly causes death A solid body that completely obstructs a main hronehus causes the whole luog to collapse and septie disinteg ation follows A smooth solid body first sets up bronchiectasis in the pact from which the involved bronchi come but the process may gradually extend to the whole base first of the affected lung and then of the other These cases am very hable to pneumonias hamorrhages or amyloid disease and may at any time terminate in cerebral abscess. If the foreign body is putrid at the time or is one that can decompose the lung changes are much more acute a definite abscess often forming This class includes pieces of hone fragments of teeth and smaller particles easily set free in operations around the mouth and nasophar yns It is not uncommon for these cases if unre heved to end in pulmonary tuberculosis

Formerly the accepted treatment was a tracheot omy through which various forms of catchers or forceps were used. The invention of a straight hronchoscope has revolutionized the treatment and it is now possible to introduce straight tubes into the secondary and even the smaller bronchs it is found impossible to remove the foreign body with the bronchoscope passed through the glottis it is advisable to do a low tracheotomy and intro duce the bronchoscope through the wound Intra thoracic bronchotomy though difficult and danger ous has at times proved successful when simpler methods have failed Occasionally it may be ad visable to open the pleura and frel the lung if the body has passed into its substance. It is a much simpler procedure if one of the methods of securing ultimate inflation of the lungs is at hand. If the body is felt the lung must be fixed to the chest wall then tucised and the foreign body estracted

Е К Ациятион

Benntoghoff G E Traumatic Rupture of the I ung without Penetrating Wounds of the Thorax, with Cirotion of the Case I for at I S t 9 4 axu 46 By S vg Gyncc & Obst

The author discusses the well recognized method of treating such axis and thinks that while o e case i too I mited to accept as anything positive extended to the case of the case of the case of the case follows the case of the case follows a fine that the case of the case follows a fine that the case of the case follows a fine that the case of the case of

noe him the pulse grew feeble and cyanosis began to show about the face neck and hands. The diagnosis of transmite ruptine of the lung was easily made also that he was fast succumbing to hæmorehage

within the pleural cavity The patient was operated at once under chloro form angethesia A U-shaped incision was made beginning over the second rib two inches external to the right border of the sternum extending down ward six inches curving outward and upward and terminating just internal to the head of the humerus. The skin flap was dissected up uncovering the pectoral muscles as far as the second rih When the depression was uncovered blood and air escaped in large quantities Intravenous transfusion of physi ological salt solution was begun simultaneously with the operation The rihs had been simply de pressed and spread apart. The second and third cartilages were separated with the knife turned outward over the right shoulder and held there by an assistant An enormous amount of blood clots was removed from the cavity The lung was with drawn and the laceration was found extending trans versely across the middle lohe Blood was pouring from it in a continuous dark stream. The first suture placed at the extreme inner angle of the laceration completely controlled the hamorchage Four other sutures were placed and tied and after deflating the lung by gentle manual pressure it was returned into position. The respirations were now so per minute, but the patient had a good color and e pulse was 150 s4 ounces of salt solution had been infused. The ribs were replaced the divided ends sutured and the muscles replaced and sutured together A large flanged rubber tube was inserted through the front of the chest wall in the third inter costal space between the sternum and the anterior azillary line and the skin sutured tightly around the tube. The entire operative field was covered with many layers of gauze a bandage loosely applied and the patient returned to bed

The entire operation was completed in thirty minutes At that time eyanosis had disappeared respiration was full and without effort and about 40 per minute The reaction was somewhat severe but no dangerous symptoms occurred. The temperature twenty four hours after operat on was 103 which was the highest point reached during convalescence The dress: gs were I fied off the tube on the third day when scrum was seen draining through the tube Percussion and auscultation revealed complete flat ness of the chest the lung was functionless. The tube was removed and the tissues fell to ether com pl tely closing the opening into the pleural cavity The lung began to inflate about the tenth day when percuss a and ested beginning absorption of the fluid within the pleural cavity Less than five months after the injury the lung was functionating perfectly except possibly a limited portion in the locality of the lacerated lung its u and the physical condition of the patient was perfect

Powyol C sur

Beckman F ff : Decortication of th fung for Sarthu if Med 1914 1 13 tild 1 mpyema By Surg I sace & Obst

The pethology of empy ma sh wa that as soon ns there is an accumulation of purulent material within the pleural eavity either local is gen ral nature regards it the arme as an abscess in any other part of the body and attempts to I mit abweption

by walling it off

in openting on some of the late case this hmiting memi rane has often been found to be fr m one half to nearly one inch in thicknes As the flui f accumulates in the pleuest ravity the mys 11 ing wall of the thorax prevents espin ion in thi direction and room is found for the accumulation by compres ion of the lung II the emprema has continued for any considerable length I time this membrane is so resistant that the lune r anot re-espand after the flui I ha Leen all werl to escape by free too you

It is evulent then that if free drainager estal i she I belore these adhesi as farm or before they become from enough to hold the lung in a state of collapse the lung wo I I quickly obl terate the callty and the pat at be restored to health mpelly

This correspon is exactly to the results obtained with iree desinage in the early cases

If shoul I be remembered that empyeria is not a becase of the lung although pulm nary I wase an I empyema may ear t at the same tim and that the pulmonary true et only alghtly or not at all in olved in the inflammat ry process in a very large majority of the cases In the recognition of small empsems the relationth p between pnenmona other injection and this second ry infection ut he remembered and a wat h kept if the dev lopm t of th gen ml ph nom na of infects n occues or persons alt r the pneum nic r oth t infectious process has apparently anbit led I sin continuing after the sies i pn um rus to a certain local sed area although it may not be se re and ac ompanied by a septic temperature limost surely | die tes a localized empyema | The focal aa tion of the pus can oft n be determ ned by the pain an I localized ten ferner on th wall of the chest

The a parating needle is often of the otmost service in arriving at a correct liagnost in these a ses While warmings re gi n by many writers of the dangers that may oven from troduct g a et lle into the pl ural eavity th uther believes that the gain from it use in the matter ed arriving at an early d gnos a magre ter than th danger that m v

result from a late ret gration I empyema

I rad ogram of the chest is of great taln in athying t a correct diagnosis in obscure cas although it is often an atremely difficult an I some times an impossible to L to let rmine whit th picture ahows It must be kept to min I that the cay picture I the reproducti n of a st adom and that a thickened pleues may ea t us dense a shadow as an accumulation of fluid

HEART AND VASCULAR SYSTEM

Blechmann G: Clinical and Therapeutic Study of Perteardts! I flu font Marian's Epigastric Puneture fies épanchement d per carde Et de ch que et thérapeutiq troppe d Mari p) Th La proportion épleus-

By I surnal de Ch rurgie Blechmann's work is beerl on about 500 cases most of them his own in the hospitals of Lond r He shows the frequency with which perirarditis with effusion is undergroved for arrong 4891 autopo es fluid was foun I in the pericard um 135 times. Almost half the cases are four I in indi I in ale less than 15 years oil and more than half of the cases in ch liren are in those less than a years of age lie real wa the symptoms described by the classes and fin is that most of them are irexact or incon

stanf. to treatment he maintains that the usual method of poncturing the pencardium results in puncturing the flrum or the best. He believes that Mari as method is the most rational the sm plest and asfest method of puneture A small troe s or needle for lumber puncture is passed in immediately below the alphoil cartisge in the med an fine It 1 directed abliquity from below of ant | br of & lot a car work the Louteton surface of the stemum If is then directed som what of I quely backward passing into the gsj to the ternal insertion of the disphesem nirring the pericar h m at its base. With this method be had

persuar h m at its base — is to time investor; to me a leavaly to printiture threating raillent a time fericationism, is discussed and the author is the that Larrey a method as the best fighths method a left subchondrocestal method in fig. 12 and 12 are to it is perfected upon the present of the persuarie rough. especially in children it produces a minimum degree of traumation. It does at anyolie the pleurs and it assures perfect distinge it the lowest

go nt-th only way that is really mitional The operative in heations in pericard I elimions are so n a follows Semus effun o aeste infec tious t are or mechanical puncture tulercular pu cture or perscardet my with ut drainage namouth me p acture purulent pencanlotomy

w th d a nage

The life of the patient depends on early operation It : Letter in operate too arly an i to estensi ely then too fate or not estensively coough. Il gaves tables I tan tres showing the respects e alue of puncture and perscardotomy and the results of treatment of pumbent perscarditis and concludes with a resume of 40 cases and a bibliographic indes of a teles

Delorme E. Symptoms and Diag od of Adhe-alon between the Hes t nd Pericudium the sques r d diagnostic de la symphyse cardopencardique) Gas & h3p q 4 tes 47
By Journ 1 de Chirurgie

If dhesons of the he ri and penesidum are to be arented aurgically the surgeo must tudy ita symptoms This has been one of the most disputed helds in medicine but radiography has simplified it somewhat The symptoms are determined by inspection percussion and auscultation

Inspection shows (t) disappearance of the apex beat (2) undulatory movements of the precordist wall (3) retrest of the apex on systole (4) retrac tion of the lower costal and epigastric regions on

Percussion shows increase of the area of cardiac duliness and lack of change to it during respiratory movements and change of position of the patient fixation of the apex and some signs of less impor

taoce The information furnished by auscultation is not of great value but gallop rhythm duplication of the second sound paradoxical pulse and swelling of the jugulars on respiration are worth retaining

The chief pathognomonic signs of adhesion at present are the lack of variation in the cardiac dull ness and the fixation of the apex Specialists in beart diseases say that the diagnosis can be made from them alone The other signs meotioned only

Unlortunately the information furnished by radiography is not sufficient to distinguish absolutely between the cases of pure adhesion in which freeing of the adhesions surgically brings relief and the complicated cases There are some signs however which may be regarded as indicating simple adhesions among them are (1) shadons of the surface of the beart without extension to the rest of the boundary hetween the pencardium and pleura (2) immobility of the boundaries of the heart (1) disappearance of the diaphragmatic sinus (4) immobility of the apex (5) constancy in the form of the radioscopic picture of the heart during respiratory movements (6) absence of positive and almost pathognomonic signs of complicated sym physis, such as the disappearance of the clear retrosternal and retrocardiac clear spaces which indicates mediastinitis (7) a combination of the

signs of simple adhesion Delorme emphasizes the Importance of absence of the signs of complicated adhesions | Duston

PHARYNX AND ŒSOPHAGUS

Kyla D B Removal from the Coophagus by Means of an Esophagoscope of a Plate of Palse Teeth Embedded for Eighteen Years False Teeth Emucaus 185 Lary gesteje 914 Env 185 By Surg Gynec, & Obst

The removal of a foreign body embed led for eighteen years is entirely different from the removal of a body recently embedded because of the or gangation of fibrous tissue together with curvature of the spine which render the foreign body exceed ingly difficult to locate. In the case reported there had been dysphagia and progressive loss of weight over a considerable period. An Y ray showed the plate to he behind the cricoid cartilage After three unsuccessful attempts it was finally removed with a long biting forceps through a Kahler orsophago scope Very little hemorrhage or soreness followed the operation but there was still considerable diffi culty in swallowing due to loss of tone of the casophageal mus les I K ARY TROAC

SURGERY OF THE ABDOMEN

ffund

ABDOMINAL WALL AND PERITONEUM

Ledtard II A Cases of Chytiform Effusion 014 sh 35 By S rg Gynec & Obst Ci n J

The author reports 4 cases of chyliform effusion the first associated with probable tuberculosis the second with Hodgle on disease the third with heart and liver disease an f the last was a case with CARCET

The first case the author thinks most interesting It is that of a boy about 18 years of age who since the age of five and one hall years had suffered with several attacks of abdom nal pain which were d ag nosed as tuberculosis n th abdomen He was emacated and the abdomen was greatly distended this distention bad been present for 6 years. At the date of operation the patient had a temperature of 10 6 h and was suffer g from diarrhora and pressure symptoms from the abdominal distention

When the abdomen was opened for drainage 6 pints of a milky fluid escaped and a draigage tube was introduced The fluid was alkaline in reaction and contained o 6 lbumin and o a fat

Death resulted from collapse as days after opera 't autopsy the perstoneum was found to be

studded with milisry tubercles. The mesenteric glands were all very much enlarged and in the region of the pancreas in the midline there was a mass of glands and fibrous tissue one and one half inches long The receptaculum chyli was obliterated by th s mass The thoracic duct seemed normal The lactesis in the mesentery were much dilated but no rupture was lound ficroscopic examination of the glands revealed tuberculosis with a marked thickening of the lymphatic channels D ath was due to tuberculous meningitis

The second case was that of a girl about 18 years old who presented in general a picture similar to the first In this case the thoracic duct was com pressed by a group of glands to the left side of the oetk

In the third case chyliform ascrite fluid was found m a patient of 38 years with mitral disease antopsy was obtained

The fourth case was that of a woman from whom mal gnant ovarian casts had been removed. The author believes that fatty degeneration of the cancer-cells caused the milky appearance of the

PUCENE CARN

GASTRO-INTESTINAL TRACT

Deave J B Gastric Hæmorrhage S g G not & Obst 914 21 294 By S rg Gysec & Obst

Cases of gastne hæmnrhage fall min two groups the surgical and the non surgical nr medical. It is as great a mitale to nperate on non surgical cases as it is to withhold operation in surgical bleeding. Successful teatment demanda a high degree of diagnostic skill in deciding for nr against operation.

Blood which is vomited does not always mean gastine hiemorrhage. There is hiemorrhage from the pharyint or respiratory tract: the blood being swal lowed and then vomited and himatemess in hiemorrhagic inflammation of the bilary tract the blood reacting the duodenum through the common duct and then regurgitated into the stomach.

Profuse and even datal hemateneess without demonstrable ulceration of the atomatch has been observed both at autopy and at operation. The author has abserved a case by gastrotomy in which the whole mucoss was intensely red and thick and held at the slightest touch. Such a condition may be considered as a hemorrhagic gastritis and in probably the result of an intense sattle infection of the mucoss though it may be due solely to an unknown touch cause.

If morrhage more or less acute may result from the typical acute peptie ulcer. Such hemorrhage is rarely fatal the vessels opened being small and their walls still being soft and normal permit the formation of an occi ding clot as blood pressure

their walls still being soft and normal permit the formation of an occ diag clot as blood pressure is reduced by hamorrhage In chronic ulcer the vessels eroded may be larger as a result of a acleross g inflammatory process

the each wall as rapid and incepable of contractions. When hemonthaps us the rapid of secoplasm is a rarely emediated by surgery. Operation may be insideated in gustine carronness when hemorthaps chances to be an early symptom or I may be under the advanced concer when me I may be under the contract of an extraction of prognous given to cancer. The measures to be adopted are excus in gastro-netrositomy or iglunostomy in accordance with the pathology found at operation. In the suther supm on cases of those of the particular contractions of the particular contraction of t

Four essential questions remain in he settled (s) The recognition of antiable cases (s) the ture of operation (s) the type of operation in he pe formed, (d) the proof of the decision by mortality

Nicolaysen J: Th Value of Gluzin kt a Test in the D agnossa of Gastric Ulcer Tr Am S r As: N 1 1914 April By 5 rg Gynec & Cost

Kocher in 1912 recommended Glumnski's test as a means of making the differential diagnosis between ulcer and cancer of the tom ch. Ulcer 18 as a rule accompanied by hyperacidity which cancer a strended by an strophic catarrh which causes the disappearance of the free hydrochnor and When cancer develops with an ulcer as a basis there may be demonstrated in an early sign of the disease an insufficiency of function of the atomach in produce hydrochloric acid. This is shown by giving two test meals one following immediately upon the other. While the amount of the HCI will increase from the first light med the second heavier (heef) one in cases of ulcer it will decrease in cases of cancer of the stimmed.

The author and his assistant Groodall have examined 86 cases of ulcer of the stomach and dondenium Lancer of the stomach and condenium Lancer of the stomach and pall stomes the speeddedar dysposias, and gall stomes the stomach and state of the stomach and pall stomes the state of the stomach and pall stomes the state contents. Those gave Glumahi, a rection to win the amount of fees HCI decreased in the second meal but the same unsufficiency of function was also found in cases of gastro-introptosis and leases also found in cases of gastro-introptosis and all cases and ulcer except one three was found a pronounced increase in the amount of fire HCI in the second meal. This phenomenon may be used as a differential symptom in the diagnosis between ulcer and inter diseases of the gustro intestinal

canal which cause dyseptous.
In two cases referred from the medical ward a the diagnoses of callons ulcer there was no incresses in the amount of free HCI and no silece was bound by the operation—only addressons which had given rate to the dyseptic symptoms. Glummis reactions enabled nevertheless its result as to be considered only as a symptom which must be pudged in conjunction with the other symptoms and the hustory of the case.

Graham C Observations on Peptic Ulcera.

ily Surg Gynec, & Obs.

The author presents notes an all cases of duodenal
and gastric wicers operated upon at th. Mayor
clonic during the years 1906 in 1911. It is flore
district in differentiate wicers of the stomach in
duodenum from lessons 1 volving then rights, but
the clunical listings in by far the must val. ble factor
a griving at a correct diagnosis. The physical
examination laboritory findings and V ray combined are onto voltable as the chinical listingy.

The periodicity f the attacks is typical in peptic licers. The patient usually has several attacks of gastine distress listing for days or weeks and then disappearing the interval hearing marked by pareatily good health. Each track is characterized by parine distress visualing etc. which appears in your measures with the property of the property of times the patient has suffered far years until finally he in forced in seek relief:

During the track, par is the most common symptom. It comes on regularly one-half in four hours after eating is esheved by esting vomiting alkalies or in age. The location of the pain and its

radiation is of very much less import than is the time of its appearance and the mesus which relieve it. The time of the appearance of the pain depends leaves and the leaves of the allow.

largely on the location of the ulcer

Nomiting is more common in ulcers of the stornach
than in ulcers of the duodenum or pylorus ruless
some complication—e g obstruction—is present
There are four groups of cases where it is especially

difficult to diagnose the presente of an ulcer (1) Fatients sometimes give a typical history of gall stones and no history of ulcer can be obtained (2) Fatients may give no history of previous gastric distress and the first manufact symptoms are those of chronic ulcer with complications — historians geriforation etc. (2) Fatients may have very acute which are executively district the distribution of the control of the cont

J H SEILES

Scudder G. L. Stenoals of the Pylorus In Infancy Ann S g Phila 914 h 39 By Surg Gynec, & Obst

The author treats the subject in four ways (1) A systematic statement of the facts concerned (2) reasons for surgical treatment (3) a considerat on of two problems encountered and (4) a review of

cases: (a) Pathology A smooth firm non ad herent pylone tumor is always present instrowing the limen of the pylorus II is an overgrowth of muscle tissue and not dependent on muscular

Spaim

(b) Enology It is congenital because (i) it is often found at the third fertal month (a) symptoms appear soon after birth (3) it is frequently accompaned by club foot and imperforate anus and

(4) it often cootains Bruoner's glands (c) Symploms: Loss of appetite persistent projectile vomiting small bowel parsages progresave loss of weight visible perstalsis from left to might across the unper abdomen and malpable tumor

in 60 to 80 per reot of cases

(d) Diagness: The X ray is the chief and in
differentiating this cond tion from serious cases of
pylone spasm otherwise the d agnosis should be

comparat vely easy

(a) P gnosss The mortality is high and the length of time a baby will live depends on the degree of stenoss.

2 Medical treatme t can curs spaam of the pylorus but utterly fails in true obstruction giving an estimated mort lity of 80 to 90 per ceot

The first seven years of sorpical interference was necessarily unsettled and gave a mortality of 46 5 per cect. In the last seven years posterior gastro-colerostomy has been excepted as the operation of choice a do-day the mortal by is shown 178 per cent depending a g est deal on the body a condution at the time of operation

3 The two problems are () the effect of gastro-

enterostomy upon the metaholism of the hody and (a) the ultimate end of the muscular tumor The author together with Talbot of Boston has

found that gastro enterostomy has absolutely no deletenous effects on boddy metaholism and normal development. He also concludes from different sources that the tumor probably persists and does not disappear.

4 In conclusion a report is given of seventeen cases operated on by the author which hears out in detail his theories and statements

PHILLIPS M CRASE.

Lerche W Spastic Tumor of the Pyloric Canal and Other Spastic Conditions of the Stomach Their Surg cal Treatment S g Gy et S Ob! 9 4 vm 358 By Surg Gynec & Obst

The author first gives a linef review of the anation only of the stomach which shows how the various anotomists differ to their description and come octainer. Particular attention is called to the pylonic canal. A linef historical review is given of the movements of the atomach with a report of six cases representing various forms of spistic contraction of that origin. Three of the cases are of the so called kilopathic variety is end cause to or about the stomach could be found to account for the emotition.

In the first case the patient had had pain in the oppositions and had felt is thump above the unbildens for three mainlist. The hard tumor was elways found present and of the same size on each of a number of examinations. At operation, the tumor was found to involve the pyloric canal. The pyloric end of the stomach was resected and on examination of the specimen no pathologic changes were found to see the control of the property of the pyloric hall the control of the pyloric hall the control of the pyloric hall the control of the pyloric house when the pyloric house were sufficient to the control of the pyloric house when the pyloric house the pyloric house when the pyloric house the pyloric house the pyloric house the purpose the pyloric house house the pyloric house house the pyloric house h

In the second case the patient had hem troubled with much vomiting and distention of the stomach in childhood. Later there was sour stomach makes vomiting and epigastre pain upon which prolonged rest in hed det etc had no nofleence At operation a spastic pylorius with a hyertrophied sphiocter was found. Postenor gastro enterostomy with occlusion of the pylorius was done sifer Wilms.

The third was a case of chronic cardiospasm of many years standing complicated by acute pyloro spasm with enormous di teotion of the stomach A posterior gastro-enterostomy was performed and the cardiac end of the esophagus stretched

Case four was a spastic hour-glass stomach caused hy pressure from a dermoid cyst situated under the ambilicus

The fifth case was a combood creatricial and spastic hour glass stomach caused by ulcer

The patient in the sixth case had numerous attacks of pylorospasm with enormous distention of the gomach after swallowing a large number of pehilds.

The author reaches the following conclusions

E A universal description and nomenclature of

the stomach acceptable to the anatomists physiologists charcians and \ rav workers would be destrat le

2 The pylotic cass has an important physiologic cal lurction as I its pathology is of int rest 3 There seems to be a resemi lance functionsily

between the pylone canst an I the lower end of the ersophagu - the et leurdia

4 pastle contraction at dif rent parts of the stomach may take place even where there is no augmentation of muscle fibers to f tm a aphineter The contracted part may form a tumor of cartifam rous handness

s ld (athie spattie contractle as may occur In the different parts of the tomach

6 The remain apparata I th storatch is a very important is to 17 the patholon of the torean

Cope 1 7 : The La ly Diagnost and Treatment of Ruptured Intestine Fra Er Sa M & Surg Sect 36 Hy S rg Cyrec & Ch 1

I taumatte rupture of the tatestine without any wound al the absorbinal wall is aften a ry difficult of diagrosis and set [t successful automie an

eatly diagnosi la imperative

The symptoms in the a det of their import a e are as lollows I ain is can tant except a rs few of the cases an | in th se there is u usl ; some ther aign which points t ward the correct d g os s Pain is demon trated t f t wate 11h aton of the counten are my be an one t) pan is ar I gradenii completed of at the see fithe le eatends (4) pain man be a Leil b erp jees re over the set of the le too and a) man pel te pentoneum is lelt by reet 1 am ratt a t be pa nful on pressure

I miting is a frequent and impe 1 1 s mp m and if consomed with I wast gotte ager to no zh to m tile objects a The yorks gof hi ous matter

is a sid to be especially argusticant

D teation is a late symps m | per tonnes and should not be wated for Diminution i the h r dullaess is a mptam which shoul I ae r be waited Restlessness is often fous | with intest and rupture lut it also occurs with many othe i tes and minal consequence I mammenered faint site becau e of the para which easure if a deep I reath in taken 1h signs of free flut lare not usually present In the early period Rigidity is an early and y valuable ayrontons

Provided ther re po chest complications and that renal trauma is excluded the author ad wrates opens g the abdomen on the suspicion of ruptured

latest el the I flowing conditions

When severe abdom al ps n persist for more than we hours afte sa t t ry if the pa a be acrom pauled by eithes () som tog espensial f hous sometiag or (b) a pulse gradualle rasing from she norm 1 or (c) persistent local rigidity tend og to eatend or (d) deep local tendern with shellow respection

2 Alber abdominal pain is absent or very shelt. but the pulse rises aread ly hour by hout and the patien is very listless at restless

Of course the advent of any of the typical signs of extensive penioritis or hamorrhage nould make

Immediate aperation Imperative

In the treatment of rupture of the irtes in the greatest amount of discussion centers about o questions (s) What measures should be taken toward cleaning the pentoneum? and (a) Should disinare be used?

From a revy w of a consi legable peries of cases the author comes to the following concluions (1) That impation with salire solution is jaulius in cases that are operated on eatly and that with late cases it does not seem to affect the patient whe het emest on it we lot not (z) that dramage m neball the salest plan. T II Serres

Case J T \ Ra Observations on Colonic Peri at fuls and Antiperi tatule, with Special Refer ence to th Heocolic lat e Mil Rec 1914

By 5 or Cyn c & Chat. O ag to the abundant material afforded him as sontgen logest to the Battle Creek Cantanum, and to it last a liesp jal, Case has examined in the is thefreen months, t you to nearly lust by means of the X cay following a be much meal. By rea a of memoranda detated at the moment by tout geno-tarts of by tracings he has recorded the water ha e actually been seen dun g the fluoros spic screek examination

In a cases antipen tal a was alregred a t pen taltic w tes in most cause originate in the ir no eres colon ne t the bepatic fesure proceeding toward the excum mustly de presents at a point orresponding apprount by with the ileocolic Ant pen talu ha also been seen how Nam 1 e r n the d sc pdi g colon especially in cases I hn a acute bowel obstruction

Case's been ations ouvence him of the e istence of a t n c co traction n E in the right hall of the tm serse col a Th ct locat a of this tomic ath the to rity of the pro mail colon nng vane but a uall at at point rear th mid lie of the

right ball I th t sust rie colon Ih mri e g i lls att ation to a phenomenuo pre touch described by him as aga of senous o I here t a vir easgreested aat penstabit. rs e of carcinoms of the coloo be has la. studed the present feargreeated ant perstains has been e fat it his occurred only part of the coleo It h s also been recogn zed o spastic con

atipats and o ben go obstru tions of the bo el In es 13 case follo ung leosigmoidostomy studied by the unites retrograde pen t his was observed

in the left hall of the colon.

Viss penstable waves first described by Holaknecht who reported tw cases are forther studied by Case and during the last sixteen months he has seen rosss peristatic ma ments in 37 different

undviduals The bowel contents suddenly less ther haustral markings and are formed into an cond sausage-shaped mass with perfectly smooth edge rounded at the ends This mass travels at about twice the rate in peristalite waves in the stimuch the datance travelled varying from three to four inches to several feet Arte coming to cet the mass regions at haustral markings the time required for the reaspectance depending upon the content of the properties of the bowel contents—quickly in the contents to according to the toward of the respectance of the bowel of the contents of the bowel of the contents of the bowel of the contents of the bowel of the toward of the toward of the toward of the toward of the bowel of the toward of

content is of firmer consistency.

Missage and mechanical whration were carefully studied in a number of cases. The immediate effects inhered have heen a deepcange of the haustral contractions and sometimes the appearance of antipen talkie waves. The conclusion was reached that the well recognized favorable influence of missage and mechanical whoration on lower influence to missage and mechanical whoration on lower influence to missage and mechanical whoration on lower influence to the world in the contraction of the mechanical whoration on lower influence of the horse of the bowel contents onward. To produce may true electrical stimulation a bipolar electrode must be employed.

Case gives special attention to the study of the function of the licotolic valve helieving that our present knowledge of the antiperistalit c function of the colon demands all the more a recognition of the normal competency of the ileocolic valve as the 150 cases above referred to uncompetency of the ileocolic valve as found in nearly 350 instances or one in its "Such a large proportion of uncompetent ileocolic valve cases it explained by the fact or one in the presence of the proposition of the color valve is the proposition of uncompetent ileocolic valve cases it explained by the fact that the presence of ileocolic valve uncompetency might be repected in a religiously large unconstitution of cases.

expected in a relatively large proportion of cases. Case emphasizes the fact that the old idea that mustificency in the elecotic val e produced dar national relations are consistent or freezh exponencia and that in the contrary in most cases the opposite condition is present two mostupation. Freezh kowhelde in the anti-persisting phenomena in the colon makes it easy to understand, why lead stass and constitution are understand why lead stass and constitution are the colon into the decimal properties of the colon into the decimal to the colon into the colo

While it is generally recognized that rectal all mentation is on the whole unsatisfactory there are enough cases in successful rectal alimentation to warrant the continuance of the practice. Case believes that these instances of rectal alimentation receases of sleecole value incompetency.

LIVER, PANCREAS AND SPLEEN

Mann A T A Rubber Tube in the Reconstruction of an Obliterated Bile Duet S g Gy & 60 t 9, 4 m, 3 6 By Surg Gynec & Obst A rubber tube was used in a vottor some of -

A ruliher tube was used in a young woman of 28 years in whom the common bile duct had become abliterated as the result of cicatricial contraction

fellowing infection and sloughing due to gall-stones removed together with the gall bladder at a previous operation two years before.

About four open and the leaving the hospital a shift was the product of a Mongolan At the second openion all landmarks in the region were found mixterested by rather dense adhesions. Nothing was left of the common duct except a little thickened connective tissue.

Connective usual one of a % inch rubber tube 134 inches long was inserted into the convex surface of the mobilized doodenum which was then inverted by three circular doodenum which was then inverted by there circular expensions of the convex surface of the circular gastrostomy. In form a papilla which might later act as a valve and close under the intraduodenial pressure during peratalisis and to prevent regurgitation into the hiel ducts and the consequent infection of the ducts. The other end was inserted through an incamon into the stump of the common hepatic duct. The duodenum and the hepatic stump to-approximately a surface of the ducts of the ducts of the ducts of the ducts of the common hepatic duct. The duodenum and the hepatic stump to-approximately a surface of the ducts of the

Two months after operation the patient had guined 33 pounds had lost her deep jaundice and the whites of her eyes were clear V ray showed that the tube had been passed

Hutchison R and Bland Sutton J Discussion on Enl rement of this Spicen in Children Prec R y See Med 914 Sect Dis Children 41 By Surg Gysec & Obst

Huremson opens the discussion by suggesting the fallowing grouping of this condition t Tumors

2 Iofectums typhoid ulcerative endocarditis malana tuberculosis lymphadenoms chrome arthritis

3 Chronic enous congestion 4 Metabolic disorders

5 Blood diseases leukæmtas, chloroma con gental anæmta with splenomegaly and saundice

6 Splenic anzenia of adult type 7 Syphilitic in infancy in childhood 8 Splenomegaly with acholuric jaundice

Splenomegaly with currhous of liver
 Portal currhm a

b Bil ary carrhosis
c Syphil tic carrhosis
d Bant a disease

Congenital nihiteration of the bile-ducts a It will be not ced the classification is mainly a clinical one without any pretense in being strictly logical and that there is some overlapping between the different groups

Hatchison does not believe that syphilis plays a very important part in the etiology of this condition lie also believes that splenretomy is curative in 30

cases of splenic anamus of the adult type and in ncholunc jaundice though the comparatively benian course of the latter renders it questionable whether operation is ju tified unless un ler excep-

tional circumstances

BLAND SUTTON discusses the present knowledge regar ling the function and pathology of the spicen He states that little is definitely known of the physiol g and pathology but still a working spothesis is n w availal le for the surgeon enlarged fleen as-on t I with numerical reduction of the red corpused s in sil nie naremis in children Is due to functional overactivity of the spiern The enlargement is due to the accumulation of the products of hamoly is a hich produces an acholuric isundice Cant spicens an f wan lenng spicens in adolescents are the result of changes which begin during infancy and loady progress with the growth and development of the patient. The nuther cites a case to which splenectomy cured the cond tion

While his lacte are few Bland Sutton believes that the spicen may be removed from children without interfering with their growth or develop ment lle cites a patient operated at 5 years of are who developed normally no 1 is now in the best of health 18 years later. The technique of the

operation is briefly described

The most extraordinary feature connected nith splenectomy is the rapid to with nhich the normal numerical proportion of the red corpuscies is r

estal lished-sometimes in a lew weeks. The remoral of a leukam c spleco always ends in disaster St smentand states that surgical procedures in splenie nazmia of lufancy have gone ahead of pathological knowledge for the exact nature of the disease is not yet known Spienectomy charl means the relief of all symptoms and cure of the

There seems to be some familial tendency a spl nic norma The aymptoms are sufficiently leficite to establish n hagnous after the first stage has presed While up n uns laffer as to the nature of the beerse and the disturbance produced Suther Limit believes it is due to an excessive lestruction of the blood eells in the spleen The blood vessit in such a spleen are markedly diluted and the organ may be said to be inebrated with the exuberance of its own blood supply an I causes a destruction of the blood corpusci s It is assumed that there a not necessar ty any d wase in the spicen but only s fistnehance in certain of its functions from hyper amia This accounts for the varying conditions persent in family cases. The congru isl delect may be relerred to the vascular supply of the splees and according to the degree of that delect some cases ha e a symptoms others are milly affected whil still others show progressive symptoms leading to death from excessive blood destruction. The nother then briefly cites two cases cored by splenersomy I WARD L. CORNELL

SURGERY OF THE EXTREMITIES

DISEASES OF BOXES TOURTS, MUSCLES, ETC GENERAL CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Cohn I and Mann G Osteogenetic Function of Perlosteunt n d Bone Transplants 3 sibres By hurs (yeer & Obst M 3 19 4 # 54 Uter briefly re sewing the theories which have

been held regarding the regeneration of bone the nuthors summ rize the information n hich has been obtained from their esperimental work

I ree bone transplants minus perusteum pi ced in muscle omentum spicen thi road glind and the anterior chamber of the eye have above active exidence of proliferation of new bone. The trans plant into the anse for chamber of the eye was done more than one months ago in no instance has

the transplant been absorbed Persosteum has been trumplanted as a band around the carotid artery into muscle and into the unterior chamber of the e) and in no instance did it show an ostcogenet c function Before sucrificing the natural in which the periosteum had been used as n bandaround theartery the vessel was exposed and pulsation observed on both sides of the transplant Paipation revealed no evidence al obstruction of the inmen of the vessel

That periosteum is not essential for the repair of defects in bone seems clearly prosen by an experi-ment in which both tibes of an animal were fractured On one side the periosteum was stripped from the bone in the arighborhood I this fracture on the other wile the persosteum was left intact Lason resulted on both sides Further expen ments along this line are being conducted by the

is present the a thors believe in the osteographie function of the tree bone transplant that pen cotrom has no este ge ett function but that it is a connects e traue t be in which centers of assifica-Periosteum is a limiting mem tion are laid do brane and a source of blood supply for bone

Dist F I aperim ntal Echtnococcus of Rone (Echioococone oueuse xpérim tale) C m/n rend Sec d b d thr 914 1 vv. 178 By Journ i de Chruspe

In a pre sou n t Dese has published a case of experimental echinococcus al bone a double hyd tid cyst of the supe for and interio matulia resulting from an injection of echinococcus into the peripheral end of the common carot d By a new experiment of the same hand he ubta ed a anothe rabbit a

double hydatid cyst of the seapula One of the cysts was developed in the persosteum the other in hone tsaxe being moulded to the form of the latercommunicating alveolar cavities. The persosteal localization is new and hitherto unknown to nathodogatis D s says P zear Caler

Fassetti Cardinal Principles in the Minagement of Bona Tuberculosis Northeet Med 014, 35

By S mg Gance 4. Ohn Relative to the management of bone tuberculosis

Fassett says that early and accurate diagnosis is necessivy for its successful treatment. The most important sign of bone tuberculosis is involuntary muscle spasm which limits the motion of the joint.

Fasett emphaszes the fact that repeatedly the condition is termed rheumati m because of the mother statement that the child is run down and acts stiff or lumps the family doctor apparently thinking it of bittle significance

He states that bone tuberculoss without mused infection shows but slight increase if any over the normal temperature of children. Co ditions mustaken for tuberculosis have been co-compelities chronic infectious arthritis arthritis deformans and developmental abnormalities.

l assett divides the treatment into sis divisions (a) rest (a) the prevention of deformity (a) fresh air (4) good food (5) the prevention of mixed infection and (6) operation when necessary

Casts braces or recumbency with tractors are restful and contribute to a general physical gain with a reduction of towns introduced into the circulation

Rest and suitable fisation at the right time will present deforably. The bad results of bone tuberculous are far less than those following mixed infection

The author a bocates the use of the trocar with septuc care than prest et an axed unfection Repeated ex cuations are necessary. No taber culous in a should be inceed unless there is an absolute and cation for uch treatment. The best results has eben by the fusation and hygeme treatment. The operation of Lange Albee and Hibbs have gamed fo also.

Fassett deplores the so called scraps g of the bone which ha n place in the treatment of taberculosis Jone II Suaw

Kidner F C Diagnous and Treatment of Chronic Non Tubercular Joint Diseases—Rheumatism J Mick St W Sec 9 4 60

The author gree a brack resume f the sympt ma and treatm t of (1) fectious (2) atrophic and (3) hype trophic arthmi

The infectious 1s pe includes all those which originate from afectio of the joint structures through the blood sire in with bacteria or their products. The junit is swellen tender pa full and stiff the perastruct it structures are principally and stiff the perastruct it structures are principally.

involved the joints may contain fluid the \ray
does not reveal any bone changes but may show
thickening or atrophy in the penarticular structures.

therearing or atrophy in the penarticular structures. The treatment of the infectious type includes putting the point at rest drawing off the fluid if my entit presenting deformatics by means of spharts and recovery in uses any policy of the fluid in and recovery in the state of the cateful in the tonsibated story in uses also policy sighl bladder large or small satestine lungs prostate or epidodyma Antogeaous waccines serums and phylacogeas if applied carefully, may be used with hencefit sabey plaies are of value in relevant pain and purticular the heart from in a ion. Careful massage with active all passive motions should be started when the chronic points forcible manipulation may be necessary or function may be restored by arthroplasty.

Atrophie arthritis hegins insidiously usually in the small joints gradually extending in a more or less orderly manner after months or years to the

lacrer imnts

The affected joints present a fusiform swelling only slightly tender and not often painful intil far advanced. Normal motion is limited but motion in abnormal directions is present. Cerpitation within the joint is resuly cliented the X-ray shows bone destruction and erousion of the cartilages about the joint which presents the appearance of the hypertrophic type.

Use of the joint in the atrophic type should be encouraged for if kept in motion the joint will often adapt itself to a position which in fair motion is

possible

Hypertrophe arthrits comes on gradually without constitutional symptoms. It may occur in any joint but the distal phalangeal joints are usually involved which gives a clue to the diagnosis. The periasticular structures are not involved but there are bony prominences which form about the joint and one easily detected by and of the \text{\text{ray}} Motion of the joint is painful and himited

The treatment consists of putting the joint at rest and preventing an increase in the bony out growths. An infectious or toxic origin if discovered should be removed.

Ro zar B Corizzo

Gebs E. S. Chronte Multiple Arthritis J. Lose 1 9 4 xx 8 By Surg Gynec & Obst.

The auth advises a most careful search for a focus of infect on a the cases of multiple arthritis and before that a great many cases of so called

and before to a fire cases of multiple arthritis of the cases of the body. Several most interesting the product of the body. Several most interesting a continuous of the body. Several most interesting the cases are cited where foot of infections a trade and removed with subsequent improvement and in some cases are suited where foot distriction but did not advanced too far there was an entire cleaning up of gent symptoms.

Tompkins J M : The Treatment of Rheumatic Infections. Virg M See, Month 1914 zwm 501 By Smg Cynec & Obst.

The author emphasizes the importance and thorough examination and the removal of sources of indecident and indemnatic conditions where the relationship is apparent. In Journale cases of low optonio indea there should be suspension of dead to provide indea there should be suspension of dead to be and took bacterius are used. Ill gene tender changes of chunate from and arsense thyroid and thyrous therapy saleylates and began-staylen diamine are useful and Edmination by hether diameters are provided and the control of the same than the control of the same than the control of the same than of the provided treatment of the same than of our prophysics are threely mentioned.

nefly mentioned

Nelson J G: Acute Rheymatic Arthritis and Altied Infectious Conditions V g M Sems Uonik 1914 avu 497 By S vg Gynec & Obst

The author classifies the above into the three following groups

2 Acute theumatic arthutis, occurring alone or complicated or followed by inflammatione of seroue or mucous membranes tendog sheathe apodeuroses chorea etc

Acute theumatic inflammations of the tonsils across and mucous membranes, chores, etc. without

arthrite
3 Acuta arthrits with a definite tolected area
in some other portion of the body such as tonsils
gall birdder bowels prostate etc

After citing a number of interesting cases at hough cluming no originality for his decluctions the auth r concludes that there is an arithmic disc a definite concern estimate of coccu which have an affinity for serious membranes apposeurous tend a sheatha tet and whose sources probabilly then an opharym. The activity of these agents is sell instituted in any one sate The infected focus of scate and chronic arithmites is usually dutent from the touts finwheel Herser W Herserson.

Cheatle, G L Sprains and Strains of the Knee-Joint. Praditioner Load 1914 20 35 By Surg Gyace & Obst

By Surg Gynec & Obst The author describes sprains and strains of the knee joint giving special attention to the history

method of evamination various classes of patients with the pathological anatomy of each ease and eugesting methods of treatment

euggesting methods of treatment
Sprains and strains of the Lore-joint are most
commonly caused by nertwisting the articulation
with the loot firmly implanted upon the ground

fixed or held by other means.

The huttory of the trouble is that while running after a fall or accident the patient enddenly has a severe pain in the knee and the knee joint locks or there may be an instory of locking. The knee is easily streightened by bystanders although the

patient is unable to do so himself It may be the first or a common occurrence and epecial inquiry should be made as to the frequency Comparison should be made of knees and more

Companson should be made of knees and monerate of the joint atrophy of the nuncles, local temperature eveiling which may be due to ordens of anti-parts, thickening of aynovial membrane or fluid to the knee your.

fluid to the knee joint Lateral mobility indicates general stretching or

supture of the ligaments

When the acterior ligament is ruptured stretched, are the insertion torn off the fibse can be brought forward without articulating with the femer When the posterior ligament is ruptured stretched, or the insertion torn off the tible can be pushed back without articulating with the femour When both enuced ligaments are in olved the tible can be rotated internally on the femur.

External rotation of the tibis lodicates rupture or stretching of the two lateral ligaments. The quadriceps extensor tending or ligamentum patellamay be ruptured and the patient be oughly to extend

Every case chould have so 'Crey photograph

taken to show any injury to the bone.

It is very difficult to diagnose the separation of the semilunar cartilage unless it can be felt and then

it may be split torn or partially detached Artice har extralages may be torn off by violence the lange of synowial membrane may be injusted or bothen of and behave as a loose foreign body Real locking as due to disjocated carriage. If

Real sociating in due to dissociated extrainer in has occurred for the first tiline the cartalage should be allowed to resume jets normal extendmente. After the extricipe has been replaced the lumb is numbrilized about three weeks then passive motion used daily the splicit being kept on two weeks more then the injury is treated as a sprain where so locking has occurred.

If locking is due in a loose body it is best to remove the cause but an attempt should be made to do so ontil the body has been fixed in a suprepatelle pouch. If a fire ga loose body is present constant X ray photographing should be a guide as in its

location

Not too much etress should be laid on absence of locking in det running the presence of the loose body in somethi gaupping between the bones

Severe spears I rupture of the lagamentum path be requires rest (first 24 hours) with plut 1 chandage nd cold appl cation the first ho r in acrest hamoribrue; then hot Immentations at d nt the end of 24 hours gentle massage and possi e movements which should continue se eral days. The parties may wilk in meet, but the massage and carross may wilk in a week but the massage and carross

should be continued. Where the lumb has been kept et rest too long confined with n thout upl nts massage and epple cations swelling and pain occur when the patient gets about and again he is put through the lormer treeten nt. At this are, uplinist and handages are useless. There should be no weight no the limb

except such as a shoultely necessary for at least three weeks and the patient should perform regular specified secreties with a neight pulley or foot dumb bell. After three weeks walking may be resumed and after as weeks golf and tenns may be at tempted the patient stopping at the post of failting

The author calls especial attention to the use of the foot dumb bell exercise for strengthening the flexor and extensor muscles of the knee and states that the exercise should be done daily for at least one year C C CEATTERION.

Smith, S. A: Loose Bodies in the Knee-Joint. Ca ad M A: J 19 4: 200 By Surg Gynec & Obst

The condition of loose bodies to the knee point has been recognized by singround for many years Loose bodies arise from several causes. Whitelet duries them must hose bodies introduced from without those derived from separation of one of the component parts of the lout and those derived from growth or formation of structures not normally forming port of the joint.

In cases where the body has been introduced from without the common circular is a needle. These cases are rare. In the more important group of cases the body is due to some detachment of a portion of articular cartilage. The internal seem internal seem to the common of articular cartilage. The internal seem internal to the common of a cases there is always a history of injury. Effu is follows and the joint may become locked at the time of injury or at varying intervals afterward when the joint its subjected to increased atterward when the joint its subjected to increased

In the group of cases derived from groath or formation of structures not normally forming part of the joint there is no history of injury forming has been occurred in the joint the result of which is a congestion and prodiferation of the case changes in a consideration of the abstraction of the case changes gradually occur and abstraction of the case changes gradually occur and solution of the case changes gradually occur and talize the blood supply. The result on cardiage is that pieces become detached owing to rarefying others occurring at the chooding-esteal junction whereas the connective tissue of the sysowial near the system of the system of the system of the system of the production of the system of the system of the system of the part of the system of the syste

The d agnoss of bod es of this ature is implified by means of the \text{ ray } Io cases where the loose bodies are derived from separation of one of the component parts of the j int a radiograph as often as not fails to aid in diagnosia unless the loose bodies have a bony bas a R. O. Ritter.

Parker C. A Derangements of the Semiliunar Cartilages of th Ance-Joint Chic to If Recorder 9 4 xx 143 By Surg Gynec & Obst.

Parker reports 5 cases operated and in each instanc a c n l e was removed. He emphasizes the point th 1 who a juint is opened for the removal

of a cartiage at should be removed unless it is planly evadent that other condutions are responsible for the trouble. This was impressed upon him by his experience in these; cases in 3 of which nothing abnormal was observed upon the inspection of the fortener of the point although the removed cartilages aboned distinct pathological changes one case had been operated upon by an emment surgeon hut no cartilage had been removed as mothing abnormal was seen. This patient later gave all the evidence of peasesing a defective cartilage that was probably mreen at the time of operation.

The internal semilunar was affected to all 5 instances the left one 3 times and the right on twice. Fination of the extended kine in a plaster cast reaching from just above the malleoli to the perincum for a period of act to eight weeks after the operation was practiced the results apparently reactiving a semileous production of the position of the point. Apparently the removal of the cartilage and apparently the removal of the cartilage and was prefer the state of the position of the position of the prefer to the state of the prefer to its jotegraphy. The author prefers the Jones position for operation with the leg hanging over the end of the table.

Williams R. S and Wade W R A Fettd Aerobic Coccobacillus Found in a Clase of Suppurative Arthritis of the Knee (Un coccobacille strong titud das un en darthrite suppurte d genou) Compt and Sec deb el Par y a larry sol By Journal de Ch rugse,

The authors had occasion to make a bacteriological study of a case of fetid soppurative arthritis of the knee which had presented a fistula for a long time. They solated two microbes from the pus o streptococcus and a cocrobacillus. The latter on cultivation gave forth the same fetid odor as the knee.

It was a polymorphous non motile coccobacillus varying in form from a coccus to an elongated bard lus Gram negative strictly aërobic. The colonies developed well on all the ordinary culture media at 37 degrees they were at first transparent and became yellowish on the second day They lique fied gelatine very slowly at the eod of about two months congulated milk, did not produce Indol fermented glucose gelactose and arabmose without the production of gas did not ferment maltuse saccharose raffinose lactose or inulin The cul thres were pathogenic for the mouse cohra and rabbit Injected intrapentoneally they caused death o a short time but injected subcutaneously they caused the formation of an abscess containing a caseous substance at the end of to or 15 days

It is possible to oblisto a vaccine against this microbe by immuning rabbits A dose of 0 2 of this serum meutralizes a 24 hour culture on agar which a sufficient to kill a cobra weighing 250 grammes 10 3 bours. This coccobacilies differs from all fetid nucrobes hown beresfored.

PIERRE CAUET

FRACTURES AND DISLOCATIONS

Cohn 1 : Fractures of the Greater Tuberosity of

the Humerus. Not II es 3 of 4 feet 670
By Surg Gree & Obst

Cohn reports two cases of incater of the greater
tuberosity of the humerus with an outline of past
methods of irreturent the enatomical dats which
should act as guide in the treturent of these cases
and gives the rectibod of treatment adonated in cases
and gives the rectibod of treatment adonated in cases

observed

Releving that anatomic data is a critoked in these conditions he reviews the insertion of muscles attached to the takerosities. In view of this information, the following treatment is advocated Adduction and external rotation of the error to favor appositio of the fragments and to overcome the apposition of the fragments and to overcome the control of the control of the control of the takerotate the explaints and the control of the takerotate the complaints of the control of the takerotate the control of the takerotate of takerotate of the takerotate of takerotate of takerotate of the takerotate of takero

on the tuberosity by relaxing the deltood.
One of the cases a patient aged so had f llen forward on the aboulder. The chief symptom was pain, particularly on pressure over the taherosity. External relation was impossible and adductated and account of the control of the contro

was markedly limited
Both cases mentioned recovered with perfect
function in the shoulder

Delaton H B t A Review of Cases of Fracture of the Patella, T Am Sarg At N V q 4. April By S 12 Grace & Obst

The euthor calls ettention to the contraversy a decade ego as to whether the open operation was necessary and that now as fer as the patella is concerned surgeons are nuited on the early operation

but as regards the long boses opinion tail different in the report there were 52 patiente with a 1 tai of 10 fractures. There were timultaneous fractures of both patellis and no one there was also a fracture of the cervical vertebra. On these cases there were of operations with no operative mortality, and mall a cful joints resulted in a motion was somewhat limited. The operation consisted in a curved treasverse measion across the kines above the patella with the company of the patella with planted through the patella with the patella with the patella with the first of the patella with planted through the patella with the patella with the patella with the sides in matter than the patella with t

Stress was laid on the early use of passive motion A posterior colint is recommended to be worn for at least twelve weeke but this is removed at night so that active movements may be practiced when there is po fear of etrain

Operation was asually performed at the end of 45 hours but occasionally for come epecial reaso it was

delayed for a week. The resolts where the bone was broken in several fragments were just as good as in the simple transverse cases.

SURCERY OF THE BONES, JOINTS, ETC.

Owen If R.1 Arthroplasty As S rg Phila 1914, hr 426 By Surg Gyner, & Chot.

Venous operations for mobilizing solviosel jointe have been done eince 1826 but none cao be and to he always successful. The latest idea is the interpos tion of fascia and fat efter separat ng the fregments This is best for the knee and hip joints because they ere neight bearing joints and the hygrems formation which takes place as a result of the fat is very desirable. To case of shoulder elbow or mand hie however the use of animal membranes each as chromicized pigs bladder peritoneum of ox or wall of ovariao cyst is to be preferred for interposing Indicate as for enthro-plastic operation for ankylpsis depend largely on what joint is involved. In case of a hip houlder or elbow operative effort chould be made toward mobilization since these jointe are almost useless if atiff An ani, losed knee on the other hand if a reasonably good position should be let alone

W A Cruse

Hoodward C.: Trentment of Fractures by Durect
I atension of the Fragments. Fred tong
Lond 1914 to 360 By Surg Grace. & Obsl.

The author reviews briefly the advancement in the treatment of fractures in recent years. He mentions the enationized operations of Lane e tension methods of Codvilla, massage and mobilization methods of Championizer and with great detail describes the Steamano apparatus the method

of using end its selventages

The Steumann apparates consists of etcel plan three and one half to five millimeters in diameter long canoni to extend about two inches from the class on either edg of the limb. A plate is reade to attach to the end of the pins apon which a cord is furthered to mail stemsons after the pins are driven thing the es called.

The technique of disinfection of the ekin 1 set to a of the pin treatment of ekin puncture position of limb th direction of pull amout 10 weight, duration of tension latered displacement and tot too of himb remo 1 fpin and alt treatment re Bearfeally considered

He ad a lage of the Stemma o method of durer extense he asthor has serve at y Direct ext as a swatty especial to the after the same and the same and the same are hought more easily ato or rect lagance to are hought more easily ato or rect lagance are hought more easily ato or rect lagance a practically so pain efter stems on so care appared. There is no danger to the operation when it is caref ly do ft i much easier than the Lane jette method out the anatomical regults are like to coul lie deserted. Carterston

ORTHOPEDICS IN GENERAL

Saunders, E. W. Meisenbach R. and Wisdom W. E.: The Causation and Presention of Infantila Paralysis. J Me St M Ass 1914 2 By 5 rg Gynec & Ohst

The authors cite a composite pirture of fatal disease with parefysis occurring oo a farm among the fowls, hogs and other domestic animals and at the same time one of the farmer's children beiog afflicted with infantile paralysis. The authore clarm to have found a common cause of surh mala dies in a virus which is carried by o species (Lucilia easor) of ereeo fly They find that all attempts to moculate fowls gumea pigs or other animals with the blood or tissues of animal dying from ingestion

of the specific isrvæ have failed.

The death of a fowl or guinea pig within six hours. has been caused by the oral administration of a single specific larva or by the intraspinal injection of a few drops of emulsion of a specific larva Paralysis and death was also produced in monkeys by administering the larve to them. They were able to transmit the disease from one monkey to another by totraspinal injections of cerebrospinal

fluid o of spinal cord emulsion of affected monkeys Two days after feeding on the carcass of a poliomy chitic fowl or other animal the green fly deposits ova in the carcass which develop oto the toxic larve It is assumed that there are three factors (2) A potential virus (2) as active virus and (3) a neurolytic toxalbumose. The grero fly as a carner explains the prevolence of the disease in summer the fly season The authors report oumerous experiments opon which they base their canclusions and urge that precautions be taken to prevent contamination of food by flies

II A CLUES

Cooley E L. T fipes or Club-Foot Med Ferta ghtly old al 97 By S rg Gynec & Ob t The author thicks that the disguous of egiono

varus is easy but it is another thing to properly estimate the degree of deformity upon which to

base an intelligent prognosis Club foot may be roughly divided 10to three stages from the standpoint of mobility In the first degree a certain mount of manual correction can be attained without eliciting pain in the second pain is alw 3s a sociated with such attempts end in the third no correction is allowed without SD anæsthetir

All types n d degr es of the deformity can be benefited by prese t day methods while in mid and moderntely se ere cases the deformity cao always be made to appro imste the normal an

appe rance and function

The treatment depends on (1) the age of patient and () the nature of the deformity Mrehamcal methods manipul tion wedges wrenches et cetera may be successfully used in practically all cases. The Lufe is used only as 0 last resort

There are three steps in the corrective procedure (z) correction of the over pronated tareus (2) cor rection of the rotation of the bones of the ankle and (3) correction of the equinns As for the first step cases taken before the patient walks can be reduced by ms nual means alone In older cases it may seem expedient to divide the resisting fascia to order to hasten the process The second step requires a wedge and in older cases a wrench When it comes to correction of the compus which is left to the last tenotomy saves time and trouble the author considers it majoractice to tenotomize and simultaneausly overcorrect in plaster He advises open operation, with a suture bridge beunder anzethesia

Calcaneus requires a restoretion of the nich and correction of the superflexion of the foot. This he says seldom requires more radical measures than manipulation supplemented if necessary by solints or braces Severe cases may require tenotomy of the tibialis anticus peroneus tertius aod extensor

longus digitorum one or all To prevent the delormities resulting from in fantile paralysis he advace that the fimb he im mobilized in plaster as sooo as the diagnosis is made and held for 6 to 8 wreks Function should theo be re established to proper apparatus and restora the agents employed In complete paraly is tendon transplantation may be indicated but should be osed with caution

Old and neglected cases of club foot practically always require sorgical treatment such as the Phelos operation arthrodesis or astragalectomy

ALBERT ERRESTRIED

Rugh, J T Paralytic Toe-Drop Purri a Operation for its Reflet A S p Phils 014 bt 435 By Surg Gyner & Obst

Paralytic deformaties of the foot may be corrected surgically by operation () on the bones arthrodesis (2) oo the tendons (3) oo the skin or (4) by the losertion of silk ligaments. Not every case is one for operation for many parelyzed muscles recover power many years after the attack if strain as removed from them Arthrodesis is liable to he functionally unsuccessful

The surgery of the tendons for parelysis introduced by N coladon; in 1881 is valuable in restoring function but is not always successful because of stretrhing of the parts The resection of n portion of skin, as practiced by Robert Jones is of some use in connection with tendoo trensplantation silk ligament insertion is highly recommended but it is arged that he ag structures should be employed whenever possible instead of the foreign body

An operation is described as performed by Putti of Bologna who utilizes the paralyzed anterior tendons jostead of silk for paralytic toe-drop author reports a case successfully operated upon hy this method and offers the additional suggestion that when the anterior tendons are so used their distal cods should be fastened to the heads of the metatarsals to preveot deformity of the toes The foot is brought to o right sogle position the ten achilis heing cut if necessary A five-noch tocasion is then made along the tibial crest the tendons of the acterior group separated from each other and cut high at their muscular origin. The distal cods are thee pulled through an oblong opening made in the tibial shaft one from one side one from the other alternately brought across the front of the tible and sutured to each other and to the peri 0steum W A CLUE

Test F C. Sog Foot and Taut Foot. Chare M Recorder to 4 zxx 53 By S rg Gyner & Obst.

The author laments the indiscriminete treatment of foot conditions with the commercial foot plate arch-support etc and presents a rational explana tion and treatment for these very common conditions

Sag-foot is a condition produced by a progressive muscular weakening, ligamentons etretching and bone displacement resulting in a sagging of the normal cootour of the longitudinal arch with a resultant train of symptoms of which flat fnot is

one of the last to appear Sagging of the arch may be due to an increase of the body weight inng continued etanding resulting in muscular fatigue and disuse. In children it may be due to a rapid physical growth disproportionate to the muscular strength. The average commercial foot brace is an incotive to muscular idleness and so directly furthers the disability

The symptoms of sag foot are characterized by foot discomfort disinculation to stand tender spots beneath the arch a shuffling heel-drages & rart and a gradual lowering of the miner side of the

longstudinal arch

The treatment consists of proper muscular ex ercises, emtable footwear with or without beel and sole alterations to assist in throwing the body weight to the outer sides of the feet - the more severe cases may require forced correction under anxithesia Properly fitted arch-supporte may be worn with advantage during weight bearing but should be gradually laid aside as the muscles become

atronger through exercise Taot foot is a term applied to that condition in which a shortening and contraction takes place in the call muscles and planter flexure of the foot due

to modero footwear a c high heeled shoes The rused heel causes the front part of the foot to be crowded forward in the shoe where the foot is broader than the shoe sole the lattle toe is lifted above the level of the others the ligaments of the transverse arch stretch the arch unks, and the metatarsal heads impenge upon the shoe sole causing pain and tenderness and later corns and calluses develop on the front part of the sole the tendo achillis is contracted as is also the plantar tendons and fascia which may couse the longitudinal arch to be raised

Discomfort from long etanding or walking referred to the antenor or longitudinal arch stiffness in gast or more severe disability may result. The treatment consists of a gradual change from high to los beeled shoes proper muscular exercises and pade to support the anterior arch Tenotomy of the tendo achilis penneus longus and brevis and aubcutaneous division of the bands of plantar faxes are often necessary ROBBET B COPPER

Griffith J D : Progress of Orthopedic Surgery J Am M Ass 1914 lu 748.

By Surg Gynec, & Obst.

Guffith reviews the recent advances to orthopedic surgery clearly and concisely including arthritis poliomyclitis, congenital dislocation of the hip, operative treatment of Pott a disease scolosis, and abdomical visceroptosis. He believes that the bovine form of tubercle bacullus is the most danger ous and le the variety that is principally transmit ted by milk. Regarding sorum therapy he believes it has come to etay being useful not only in closed

but also in open tuberculosis Ely Billings Rosenow Woodword and Wallace are quoted regarding arthritis and their theories ere briefly reviewed Howard and Clark are quoted as showing that the virus of poliomyelitis is carned by the house fly and the bedbug but freeing the measures of any blame in this respect. He would have the patient during the arute stage of this disease rest in a plaster of Paris bed or some other form of splint to maintain in normal position of the affected members Other treatment mentioned is tendon transplantation arthodesis herve translentation and anastomosu the last two sre believed to be yet to the experimental stage

The history of the treatment of congenital dislocation of the bip is traced from 1800 when Hoffe advised an open operation down to the present time with mention of Lorenz Calot and Il bbs The number of complete functional and anatomical recoveries he dates averag go or p5 per cent in

undateral cases and probably about 50 per cent in bileteral cases

Regarding the operative treatment of Potte disease Criffith diseases the wink of Hadra II bla and Albee and believes the fracturing of the bases of the spinous processes with credit to Ifabs, and the spit processes with the transplanted tibis between with credit to Albee have been remarkably successful but the time has not yet passed for final judgment. He thinks it is undoubtedly the best treatment for rapid recovery to Pott e disease

5 nce its birth orthopedira is eaid to his e had scolosus as a file oure Cred t is given thbott for the treatment offering the best results and Gold thwait for the demonstration of the fact that correct tion particularly of lateral scolums in the flexed articular processes of the erteb # Forbes treat ment which aims at causing the correction of the deformity by the production of ite counterpart

and is undertaken by rotating the patient a thorax on a fised pelvis to a direction toward the side of conventy of the curve is commen ed upoo but no opinion is given regarding its success. The suther believes the last word in scoliosis has not yet been spoken In conclusion the author briefly and pointedly discusses Goldthwait's views and treat ment of abdominal visceroptosis H B Thomas.

SURGERY OF THE SPINAL COLUMN AND CORD

Balda to S C : Scolinsia. Northwest Med 9 4 vi By Surg Gynec, & Obst

After quoting various definitions of scoliosis Balda 10 concludes that scohosis observed at any age in hie is a lateral deviation accompanied by more or less torsion and is a deformity of the whole body particularly affectiog the spine

Many causes of scohosis have been observed viz shortening of a limb results of severe burns pleurisy nb restriction the babit of carrying children im properly over the arm the carrying of heavy loads over the shoulder and faulty position in sitting and standing. He emphasizes the fact that scolosis is not a toberculer condition

He elsborates on Wolfs law that prolonged alteration in the function of a most produces corre sponding anatomical changes stating that bone being the densest structure in the body, and being unvielding is constructed according to the function It has to perform The part pressed upon becomes atmphied and denser while that reheved of weight becomes hypertrophied and loses its deosity thus

bringing about functional adaptability The diagnosis should not be difficult A fixed or flexible spine must be determined also how long it has existed and the course determined before trestment is instituted if good results are to be secured

In some cases the condition has been less improved by exercises Braces and jackets have been used to correct the curses but except to a few favorable cases a cure is not to be expected

Abbott a treatment which is a fixation in plaster in the overcorrected position has convioced the orthopedie profession of its value as a means of correction A specially devised table is used. The patient is placed oo a hammock in the frame and by means of suitable bands secured in position the body is forced into the overcutrected position after a hich it is fixed in plaster l'eoestra are cut in order that pads may he inserted hetween the cast and the body as correction takes place

The cast is worn for a eeks or months until cor rection is obtained The last stage of the treatment is the a esting of a removable celluloid tacket together a 1th suitable esercises JOHN H SHAW

Barthe E. Typhoid Spondylitis (La spondylite typhique) Thèse d'éast, Toulouse, 19 4 By Journal de Chirurge

The first case a patient of 22 had severe typhoid for two months. On recovery there was rigidity of the lumbar spinal column with slight left scoliosis flexion of the column was impossible. There was

pain beginning in the lumbar column and passing around the crest in the pelvis, but no paio of the lower lumbs the reflexes were normal. Radiography showed marked decrease in the intravertebral apace between the second and third lumbar vertebra with the formation of bony projections along the edges of the space A plaster corset was applied for three months and then a fresh one for three more mooths with complete recovery The spinal column was still rigid but there was no pain and extensive movement as possible due to compensatory mobility of the adjacent vertebras

The second case was that of a cavalry heutenant who had a violent shock in the sacrococcygeal region from falling on his saddle. Three months later typhoid fever developed followed by complete ammobility of the apanal columo with paio no devia tion was apparent and there was no disturbance of motion or sensation in the lower limbs reflexes were normal Radiography showed erosion of the second and third lumber vertebre Rest in bed for a month improved the condition but when the patient got up it became as bad as ever A plaster cast was applied and the treatment kept up for a year Recovery was complete and has persisted for 8 months. The lumbar column is still rigid but the adjacent vertebre bave acquired a compensatory mobility Radiography shows booy projections tiniting the leteral parts of the bodies of the tao vertebræ the intervertebral space is not diminished L. CAPETIE.

Oppenheim II and Krause F t Successful Opera-tion in Circumscribed Serolibrous Spiral VI adaptits and a Study of Diseases of the Cauda (Über erfolgreiche Operationeo bei Menn-gitt spands chrauta serolibrosa cremiserpita, which was Betring sur Lehre o den Ca dis-diseases. Men de Central de Med a. 9 4 Ext 545 By Zentralbi (d ges Chie u i Grenzgeb

The authore bring out some interesting points in connection with three closely related cases. In the

first case the cause was beyond doubt traoma. In the second and especially the third case trauma may he assumed particularly as there was no evidence of any other etiology Io all three cases it was the accumulated effect of several traumas.

The chief points in the symptomatology were alike in the first tao cases While the pain as to location character and distribution, suggested scatica, there were symptoms in both patients that excluded this possibility especially bladder disturbaoces

The chief interest in the cases was fo the results

of surgical treatment. This consisted in the empty-ing out of the cerebrospinal fluid, the freeing of arachnoid adhesions and the separation of a callus of the dura in the first case The dura was left open its edges sutured to the musculature and the wound in the soft parts hermetically closed. In apite of the dangerous location of the wound (paralysis of the bladder) both cases healed by first intention Heshop began in the first case on the second day when the Achilles reflex, which had disappeared reappeared The third rase was complicated by hysteria and morphisism and occasional rises in temperature and the diagnosis was therefore not quite clear. It was assumed that it was a case of an organic lesion in the region of the upper lumbar

vertebræ with contraction of the spinal canal and obstruction of the find, or an adhesive chrone scrofibrous meningitis in connection with a menin geal hamovrhage. It was doubtful whether the process was localized in the region of the medo the upper lumbar vertebre or the point of ent of the cord.

On laminectomy of the eleventh and twelfth thoracic vertebra there was marked increase in the fluid and chronic arachmitis After emptying the dura and Leeping it open the would healed promptly and there was improvement in the pains. Later the functional disturbances disappeared, but there were frequent recurrences for a while and then definite **fectivery** HANS BREW

SURGERY OF THE NERVOUS SYSTEM

Coville Spartic Paraplegia in Children Treated by Van Gehatten a Root Section (Observations de paraplégies spasmodiques infantiles traitées par la radicotomie sui ant le procéde de l'an Gehicten Bull et mem So. de chir de l'e 1913 EEEE 1265 By I urnal de Chiriften

Coville describes the following three cases of spastle paraplegia in children treated as above

A child of 11 was afflicted with extreme spatte paraplegia of the lower limbs and talipes equipo-varus. The results of tenotomy were unsatisfactory and Van Gebucten a operation was performed con-sisting of resection of the spinous processes and lamns of the twelfth dorsal and first second and third lumbar There was an time entful recovery At the end of six months after muscular re-education the patient could walk with the aid of two canes the position of the feet was normal

The second case was that of a boy of 18 with apastic paraplega of the lower limbs. A similar operation to the former case was performed but at the end of a month the child began to cough and

soon died of pulmonary tuberculous

3. The third case was a child of o who could not stand upright. There was a child of o who could not stand upright. There was entreme talipes equium and the child was mentally defective. Operation was performed, fallowed by uneventful recovery. Muscular re-education was meffective the patient

could stand nonght but could not walk Caville comes to the following conclusions with

regard to the operation It is very simple technically and not at all dangerous but it must be performed somewhat blindly for though the topography of the roots to be operated on is known it is impossible to tell whether too much or too little is heing removed The results are not so good as might have been expected from the published reports for though the spasticity and the exaggeration of the reflexes disappear relestning to walk is very difficult that steps remain slow and besitating the limbs are heavy stability uncertain and with the lapse of time it seems that the good effects decrease rather than the opposite Root section cannot compete

with purely orthopedic treatment in Little's disease and he believes that he was not persistent enough in the post-operative treatment.

Antonini L.; Bilaterel Intrathoracie Resection of the Pneumogastric and Its Relation to the Pathogenesis of Round Ulcer of the Stomach (La réservon mura thoracio e latérale de paramo gastrique et ses rapports et la pathogénie de l'ulcère rond de l'estomac) Riferens med 19 4

By I utual de Chururque Antonini performed his experiments on rabbits does and cobras He used Meltzer's method of amesthesia as it presented the great advantage of ammoh being the animal and of preventing coa tractions of the diaphragm and respiratory move-An incision was made in the seventh or eighth left intercostal space and the pleurs opened care being exercised to avoid infuring the lung right and left pneumogastrics were discovered and five in the dog Angethesis was discontinued only after the wound to the thoracse wall was completely closed Forty experiments were made. There was no mortality among the dogs and only a slight one among the rabbits. He concludes as foll wi

r Bilateral intrathoracic resection of the pneu mogastries may though rarely produce a gastric ulcer with the macroscopic and microscopic charac-

teristics of peptic ulcer in man

a This ulcer which shows no tenden y to heal, appears in dogs and rabbits in 7 per cent if cases. 5 Examinations were made to 15 and 50 days

after operation without finding any tendency to heahar 4 Within the first fen days after the operation there was great dilatation of the stomach and

vascular repletion accompanied by intragastric hemorrhage 5 In the animals killed five months after the

operation there was no tendency to cicatrization, but a chrome olcer The mechanism by which vagotomy produces

OR VILLANDER picer is unknown

DISCASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Plata J C. A hote on the Management of Burns Am J S g 1914, xxvm, 117 By Surg Gynec. & Obst.

Theer ser four thurgs to take into consideration in their statement of burns (r) To combat the shock if it easits (z) to erleve the pain and nervous et citability (3) to prevent infection and protect the exposed hving tissue and (4) to belp nature in her

work of repair.

The treatment of shock is just the same when it occurs from burns as when it anses from any other cause. To releve the pun and nervous excitability the author gives a hypodermic impetion of merphane and atropane. In addition to bathes the parts with cool water at about 60 ft to which has been added a teaspoond of the bathouste of soft or softium addition to support the soft of the s

The author takes exception to two things which

are often recommended (r) The opening of all blaters and (g) the use of carron as a protective dressing. In opening a blaster the denuded area as deprived of the non Irrating serum whole is less irritating than any nutlicial medium and the dead epidermis becomes an irratin which is vors infection. Carron oil and other aimilar preparations prevent proper disusage of the burn

The suthor advocates the following care of a burn The entire area and the surrounding parts are mopped or sprayed with hydrogen peroude and then mopped with dry gause Sirns of gause which have been soaled in n 2 per cent solution of picrost and in children alcohol are then applied Over this is applied as thin layer of cotton. This dressing is solution of the control of the contr

MISCELLANEOUS

CLINICAL ENTITIES — TUMORS, ULCERS, ABSCESSES ETC

Sutton R. L.: The Histogenesis of Multiple Basecellular Carcinoma. J Am H Ass 9 4 lms 977 By Surg Gyace & Obst

The amthor cites the various news of other waters as to the ettology of mult pile basocellular carcanmats. He is of the opinion that the embryonal inclusion the ry or the influence of the blood vessels play no part in the ettology of this type of tumor. He rather sades with the views of Looks and Swerk that the formation of carcanoms of the shan depends on a pinnary mercase in the activity of cirtain parts of the epidermis. Sutton believes that a dry scaly shan predaposes to this conditions.

Five case reports are given the ages ranging be tween 3 and 73 3 ars. In all these cases no epi thelial pearls were formed and in the younger cases the tumor growths weer superficial and thick, while in the older cases they I filtrated moro deeply as the reticulum was not as resistant.

The treatme t should be excision failing this rontgenotherapy with or without freezing or cauter station

ELGENE CARL

Binnte, J F Som Uses of Far in Surgery Surg Gy ec & Obst 9 4 rou 336 By Surg Gynec & Obst In state of its reputation as a tassue of poor re

asting power fat is well suited for transplantation.

Sometimes its value is due to its connective-tissue hasis but at other times it only content is the

valuable element The following are some of the

1 It may be used as an organic plug or tampon to fill nounds in vascular parenchymatous organs such as the liver etc or it may be spread like a pleaser over a hierotage surface in the liver Lines of the surface of utrus as a hiemostatic agent. This use of fatt a different from the application of free owners are the surface of the surf

2 Taking it for granted that adhesion will form or reform between the scalp memages and brain after operations for trausmite epilepsy the author fass successfully followed Lexet's plan of rmplanting fat in the cranial defect. This implant does not between the formation of adhesions but the adhe same formed are elaborated in the scale of the same formed are elaborated in the same formed are elaborated in the same formed are elaborated in the same of the sa

3 Deforming depressed scars of the face may often be remedied by driving on 6 the adhesions between rhe skin and underlying bone the depressed srea being filled out or paided by the introduction of a suitable fragment of fat obtained from the Patient himself

4 After mammectomy for non malignant disease

ŧ

good cosmetic results have been obtained by the implimentation of a lipoma (Czerny) a suitable mass of omentum of ta ned from a hernir (Judd) or fit of ta ned from any part of the body (klang Hertzlez)

When a easity is formed in a bone by the removal of d sease it may be obliterated by a free transplant of fat. This has been successfully ac complished by several surgeons locluding the author

6 Arthroplasty owes its success very largely to fat trun plantation. Usually the flaps used are pedunculated but to the nuther it seems that the rather complicated measures pecessary to obtain redunculated flars may be found to be unnecessary as free flaps may be as good or better than the pedunculated

Fat is very useful in the prophy lague of empoling adhesions foll wing tenor haphy and neurorrhaphy

S In hunrhiectasi pulmonity tuberculoris ete the implantation of fat between the mobilized panetal pleura and the chest wall (Iuffier) is a valuable substitute for antife al pneumotherax or the Friedrich Sauerbruch and Wims operations for producing collains of the chest wall

SERA VACCINES AND PERMENTS

Rost F and Salto: Use of Serologic Staphylococrus Reactions in Surgical Diagnosis (1) pelles Lett der seredogesch St phylok hit are it Zt che f Ck li Ze trafti f d gen Ch r

(ernzerb The auth is regard Hohmuth a modification of the staphylolysia reaction as soutable for the diagnosis of surgical staphy lomy over The staphyl ococci form a hamolytic t zin in the body the so called staphylolysin. This can be demonstrated easily by adding to a bouldon culture of a certain alkaunity on about the tenth day of go with pension of red blood cells of the rabbit **t**= • product of reaction to this lys antilys as are formed in the body Nerser and Nechsberg tried to utilize the demonstration of these antilysins for diagnostic purposes. The patient's serum was mixe i with the frum in certain proportions and the red i lood-cells of the rabbit added as an a dicator. If harmolysis occurred analysis were not present in appreciable quantities if harmolysis was in lubite i it was due to a stmog antilysic content of the serum the latter therefore may be assumed to have come from a patient with staphy lom; cost This reaction was unreliable because too little

lys n was taken Hobmuth's na tio incruses the amount of lysin and makes the diagnosis sur r Merck prepares a lysm frea ly tstrated so that the tech more is very much simplified. It is only necessary to mis a certain amount of mactivated seenos n solute n of a ro) and a (0 5 0 35 0 25 and 0 55 per cent auspension of rabbits erithrocytes (o 5) and add to each tube the t ter dose of the fyun This method should be very useful in the d agnosis of bone suppurations especially for the liferential diagnosis of osteomyelitis and tuberculosis. For some suppurations of the soft parts the aggluting reaction can be used to advantage Bactenodal ntlempts as well as the determination of the opening index are rejected for purposes of diagnosis

Unifsohn G : Principles and Valua of Vaccina Treatment (Cm diares und Nert de Vaccine theraple) Mitt a d Gre g b d Med Chir sgig a is 72 By Journal de Chiruspe

The author gives n comprehensive work on the empeyors value and methods of vaccine treatment including treatment with killed bacteria and the products of their metabolism. He discusses con tmiling the effect and letermining the douge by reckoning the openic indes by Wright's method The indications are different in the three following groups

t In general bacterawas including almost all acote infectious diseases sepais ete vaccine trest ment is useless or even harmful, and therefore con-

tra undicated 2 The group comprises more or less localized foce from which bacters may pass over 1 to the blood an) which e persence has sho a that they som times do (a) acute cases s eb as phlegmon cine treatment is not absolutely contra indicated but should be used a small and often repeated doves (6) chrome cases such as chrome colon mice tions of the urinary passages, tubercular personits tubercular inflammations of the Lone tubercular e tar h of th I ngs chronic onteomy clitis chronic gonorrhomi ribnii et l'accine trestment is next ted in those cases t wh h with reasonable ureness auto oculation can be excluded by place 2 the breaked focus t rest therefore especially in diseases f the e tremit ea, it is to tra adicated in cases where this is not now ble since if there is a to noculation it is impossible to give accurate douge-for example n many forms of pulmonary tuberculous

3 Strively loc lized processes in which the bacters or products of their in tabolism do not pass into the blood as f ampl chimne staphylom) cours I the ki ski toberculosis complications of gonorrhues t are eases n the domain f vaccine treatment. In practice the control of vaccise treatm t by the opsonic and z is reserved forthose the rue teachly encapsulated for of infection in which t is possible to complet ly exclude auto-inoculation and why h from their locatt a make exact chan at ober tion impossible For the other cases this diffi ult method f control may be omitted This simplifies the treatm of markedly

After a discussion of the preparation of the vaccines a special part is devoted to methods of use and results in differe t diseases Autovaccination is not necessary in most of them staphylococcus infections some sycosis inflammation of the aweat glaods, osteomychitis maxitits pyzemis furum culosis chronic eczema etc

In supportative acne and general furunculosas varcine treatment is a hopeful experiment in recurrent inflammation of the arest glands and of the nasal sinuses it frequently gives good results in coteomychic faintule purulent mastitus and chrome sepais good results are only exceptionally obtained. Streptococci unfections are contra indicated in the very acute cases but are worth trying in the subscute and chromic cases.

Tuberculin is to be recommended far tuberculosis (r) When any operation indicated for some reason cannot be carried nut (s) for after treatment especially after operations that cannot be performed radically (s) as a supplementary treatment in encapsulated pulmonary tuberculosis lupus be-

sonning arthritis and lymphoma

In gonorrhora vaccine treatment produces excellent results in soute and chronic arthritis especially in combination with Bier's hyperensia good results in epididy miss lack of uniformity in the results in prosalpinx failures in urethritis endometritis and conjunctivitis Caution should be exercised in general infections in gonorrhora there is always strong reactions.

In colon infections autogenous vaccines should always be used. There is sever resetum Improvement was obtained by its use in many cases of colonium but not complete recovery In chronic systitis and pythis the vaccine treatment in conjunction with nuter methods hastened recovery but in no case was the unine completely freed of butteria.

Chokoff B N Surgicat Gonorrhord Diseases

Bero- and Vaccine Treatment (Chrospache
Gonokolkenerke nku ges Seo- und 'scenetherape) B u kl Ch 9 3 krant 38;

By Zentralb f d ges Chr Genugeb

Faure Besulten in 906 published 34 cares in which occet were found in the lined disease first general gonorrhead diseases the author adds so mer cases from the literature and one of his own. The metastassa generally proceeds from the gentral care that the state of the system of the cycle. The conditions which hings about the patient excession of the bedy process are as yet in

In about two or three per rent of all goodrhood, duesses there are complexions in the joints more rarely involvement of the tendon sheaths and still more rarely in the murous hums the pleura and boncs Very tarely there is philehist from gonor threa. The other furms of general gonorrhoral infection are briefly mentioned. Choinoff found to only it cases of general goodrhoral septicemus in the literature to shach he adds the nine of his own, if recommends as treatment passive hyperemus combined with douthers of hot air especially in movebrenent of the joints and tendon sheaths.

Serum treatment does no good in diseases of the mucous membranes but gives good results in local complications such as epididymits prostatints, and cowpents and excellent results in diseases of the points tendon abeaths pleurs etc. Ten cases which the author treated with aheep a serum were undoubtedly favorably Influenced

Good results were also obtained with horse serum which has the advantage of not causing any general or local reaction as the author observed in the so cases that he treated with horse serum As to vaccine treatment he recommends that It he begun with small doses in order to avoid reaction This method of treatment gives good results without danger In prethritis vaccing treatment is of no use In diseases which are secondary through direct infection from the primarily diseased urethra as in epididymitis cowpentis prostatitis cysitis and ureteropychius vaccine treatment undouhtedly has a good effect especially in epididymitis while opinions are divided as to proststitis The author did not get uniform results There was a marked effect in organa to which the infection was transmitted through the blood or lymph such as foints bones tendon sheaths etc as he showed in the treatment of 16 cases

The views as to the use of vaccine treatment in gonorrheral septicemus are divided. Three cases have thus far been treated 2 of Diculaloy's and one of the author 2 with good results in all three

TeloH Fo

BLOOD

M'Nee, J W Experiments on Harmalytic Icterus, J Pathol & Bacter of 1914 xvm, 3 3 By Surr Gyner, & Obst.

In recent years the theories on the production of humsdytte interest which have recovered most attent on are those of Minkowski and Eppager The farmer holds that a datarbeid function of inver-cells make holds that a datarbeid function of inver-cells maked of sometime flow of his tunt to the blood stream natural of sometime flow of the like Eppager can under that the formation of gallenthromben by ensuing obstruction leads in distance of the blockets and repture min the pervisacular lymph sources.

M here experiments to control those published by Mithowski, were carried out on never those invike being especially solitable for the control of the first properties of the control of the control of the The green were possioned with Addi and numerically the layer was removed with the exception of a small attemp of layer tissue left behind the vena cava. These grees layed several hours after aperation. Its conclusions are as follows:

2 There is no doubt that alter the removal of the hier is goest poisoned with AsH no marked teleras occurs. The seak retens occuring in some of the experiments after removal of the liver must depend either on the functional activity of the spicen and bone-marrow or on continued activity of the small pace of liver left hehind the vent cava.

a The reason why no marked acterus follows

extingation of the fiver is not that the liver cells has been removed but it depends upon the recoveral of the tissue exclosed within the liver a high breaks down hemoglobin—annely the endosheds of the state of the first time of

cule and set free the pigment portion
3. Neither from the expensants of Minkowskil
and Nauman nor from the author a may a definite
conclusion be drawn that a time hemolytic leterus
can not occar at all

Do the contrary the histological appearance especially the profileration
desquamation of the kepfler cells these ceredition
in the blood arran and their definition there
speak atroughy in favor of the occurrence of an
increase without any action of the liver cell at all
The argument that when the liver is removed the
marron of no titale up the speece and
marron of no titale up the speece and
marron of no titale up the argument and
the short duration of the serments.

a 'n important question is how fir these on ful ion arrived at ly experiments on gene can be applied to ham in a thology. Laperiment how that the tructure of the liver in lands is lift great from that in higher a mult in hards there a very special iron metabol sin a the l with which not the it excluse that the noistbel a cells luming

the sacrol or pollan have in lo To compare with these perment o greet the appearances produced in h most to not rule in I gher animals I go a re possented with I lust ed in ne fo l ring about ; und e ih esults re found to beinnen year tially i flerent from those observed in geese. It is in he noted how or that the normal structure of dog h is lifter or from that of lards In logs the endushelial hupfler cell are much less turn rous and normally gave no iron reaction in dogs the bar does not seem to be so directly associated with the run m tabolism as it is in birds It is likely that in higher animals the spicen has tak n oo this f tion in icterus the en loth hal cells I the dogs liver show hanges on our native to the copy after soon ange-quite similar to those found in geste namely phago-cytosia of refi blood corpuscles hinti gration of them and appears co of a diffuse into reaction in the pritoplasso. The la being mach fewer in namber these appearances are not so prominent and reachly recognised. I the sphere the charges seen in dogs and grese during t rus re also similar but it has alre dy be o uff nily emph wed how much larger the picen a omparets ely an higher animals than in bird | the lymphatic glands of does the changes ar also very marked and are of a similar nature to those found in the spleen In the greese it was generally dishoult to find I) mph

atic glands, hen e no observations were mode on them. Taking all these points to consideration, it seems quite prohible that all that has been suggested in connection with the tology of harmofytic jaundice in greese can be applied to higher sumals and to man. LEO G DRAN

Wallace R.: Post Operative Thrombophi bitis, Am J Sa g 19 4 2701 103 By Surg Gynec & Obst

Thrombophichus ioliovs in a per cent of all adcominal operations the ve on chedy involved belog the external lines the common line, the femot at the saphenous fine meneraters, and the portal. A study of the strainties in a large sense of cases the same of the saphenous control of the same sense of t

It is doubtful shether any noe cause can be acrabed in all cases, but certain pred posing physiological factors are always present. The perspherel venous carculation is comparatively singuish the venous coats are thin and easily personable their superficial distribution submits the years to multide injury venous blood presents.

a traster coagabality. Kell ag concludes from experimental work that solice a to the natural clot behind a ligature or traveling from such between the eguated venn as the prime cause while Clark believe into the transmitten of the deep repeature can cause the primary thrombous which progresses to the cuternal like. The author believes the rate two primary lactions use trainants and the abdom and and anticome of the the local ventrous that there is no theorems are ability to could be the control of the line call ventrous that there is no theorems are ability to the proposal that there is no theorems are ability to the proposal colours graining the attention that the proposal colours graining at treasmat elor due to and vertically reaching a treasmat elor due to and

eased term with. The present e treatment to y be summed an in street access the avoidance of t sums and of long dead spaces within the case for lumpary treat mers of subjects with fibbly murculature by masse, evily bord action and frequent change spectually below the total of frequent change of position. But there will still remain a lew cases due to sum outsile endower us infect in against which there is at present no a satisfie means of porphylassis. E. K. Luszirsovic.

BLOOD AND LYMPH VESSELS

Kempe, G Brachist Arteriorenous A curism Treated by Vascular Suture Proc Rey Sec Med 214 Surg Sect 23, By Surg G, occ & Obst.

The patient wh was 50 years old I r two years had noticed as it gog sensation in in right orm. Inspection she of a large pulsating welling in the arm just below the anterior axill ry fold and in the face of the live half artery. It was increase g in size but was not painful. The willing was soft of

compressible and pulsated regularly A thrill which was easily felt, was a continuous one, but bad a systolic increase in intensity The swelling could be traced into the axilla and a soft pulsating swelling was found heneath the right clavicle where a similar thrill could he felt but less marked than in the arm. Pressure on the subclavian artery above the clavicle caused a collapse of both swellings and a cessation of the thull Release of the pressure caused the awellings to fill up slowly but they required several pulsations to become as full as before Pulsation in any of the superficial veins of the arm forearm or thorax could not be detected. The influence of respiration on the swellings was not noticed nght radial pulse was less full than, and in time rather behind the left A humming low-pitched bruit with high-pitched systolic accentuations could be heard over the swelling There was no evidence of intrathoracic aneurisi

The case was typically one of acteriovenous aneurism A dissection showed a communication between the upper pact of the brachual artery and the ioner of the venze comites. The parts were cleaned and the artery and vein were clamped separately above and below the anastomosis the connection between the two being then severed The arterial opening was closed with two layers of fine sutures 600 silk and a round needle being used. The

apening into the vein was closed with oo catgut The after treatment was rest in bed and morphia A good result was obtained The redial pulse on the affected side was ultimately weaker and the blood pressure was so mm Hg less than on the sound side The suthor thinks that laminsted fibrin was laid down over the arterial suture and this resulted either in closing the artery completely or consider ably narrows g it J II Setter

Meyer F 1 Treatment of Varicose Veins by Rind fleisch Triedel a Method and Its Results (Die Behandlung des vankösen Symot makomplexes nach Rindleisch Friedet nd deren Erfolge) Bu st kl Chr og 4 lexaus 276 By Zentralbi f d ges Chu Grenzgeb

The operation was performed on 24 patients on both legs in 6 of them. The technique was as originally described. The chief emphasis is laid on the wide separation of the edges of the wound and as numerous ligations of the cins as possible in order to avoid secondary hemorrhages The dress-I g consists of tamponing pressure bandage and elevation of the limb There is pan for the first few days and on the first changes of dressing One of the chief points in the after trestment is to delay healt g by removing the new granulations every second day The spiral incision is begun above or helow the knee according to the extent of the The saphena should he mused and ligated several times

The results of this method are due to the almost complete annihilation of blood and vessel wall pressure by a terrupting the course of various seins

and to the removal of fluid from the region operated an by the opening of lymph and tissue spaces and to the disappearance of all symptoms of inflamma-The duration of the trestment varies from 6 weeks to over a year Eighteen of the patients had ulcer of the leg and in addition to the operation the ulcere were incised. There was definite cure in 54.16 per cent peresting after a year in 41 66 per cent In some of those that were not cured there was no marked dilatation of the superficial veins so that varices of the deep vessels were suspected. Parona recommends in such cases thn gation of the populeal vein. The results are much better in pure varices All 6 of the patients were cured and remained so a year after WEIGHERT

Sherrill J G: Direct Suture of the Brachial Artery ior Traumatism Restoration of Circulation; Subsequent Development of Ischæmic Paraly als. Old Dom son J., 1914, Evel 513.
By Surg Gymec. & Obst.,

The following case of ischemic paralysis is reported by the author

A young man 23 years of age had bis arm cought and twisted in a centrifugal machine, in such a way that a backward dislocation resulted at the cibow When seen an hour later he complained greatly of pain there was a marked purple swelling in the forearm and the radial pulse was absent there were no symptoms of a false angunam both bones of the forearm were dislocated backward but the skin was unbrolen. After three hours treatment there was no improvement is the circulation but the pain swelling and discoloration increased. At operation the burnerus which was lying in front of the coronord process of the ulna was restored to its position. The ends of the brachial artery stood forth prom mently in the wound both being filled with blood clots no fresh blood being present. The clots were removed and a Crile cismp placed on the distal and proximal ends of the vessel The sheath of the artery was torn away from the distal portion and had contracted somewhat over the proximal end. This was held out of the way while the vessel itself was sutured The method of Carrel was employed The median nerve was exposed in the wound but was apparently uninjured. The skin was closed without drainage and the arm put up in partial flexion Within five minutes after the vessel was sutured, circulation had returned in the hand although the radial pulse was not felt. Later it was fully restored

The patient made a somewhat protracted conwalescence and was disturbed some by numbress in the fingers which was thought to have resulted from stretching the median nerge. In dressing the arm great care was used to prevent constriction of the carculation The patient had some slight impair ment of motion at the elbow and also partial inter ference with pronation and anpination. A contracture took place in the forearm and hand which almulated that resulting from ulnar paralysis.

Early forcible correction of the deformity was accomplanded but always with considerable pain to the patient. Subsequently the wrust became more firmly fixed and the tendous contracted so that attempts at restoration were medicality Heat sensation also was absent. At a subsequent aperation the ulnar nerve was found in he antennal and the contracted tendous were cut. Sight improvement was noted in the sensation of the fixers and the deformity was considerably less The electrical findings aboved degreeatage of the ulnut nerve and muscles of the forestm and hand. Sizuage the playment of electrical findings aboved degreeatage of the ulnut. Sizuage the playment of electrical estimatation have all heen used in this statem.

The author discusses the case and concludes that the schemic atrophy and parlysis may occur as a result of atrenal interruption which must be nearly or quite cumplete and usually of over tao or three hours duration Eswap L Canager.

POISONS

Lukus J: Presence of Tetanus Germs in the Excrement of Horses (Über das Vork numen de Tetanuskrime in den Erkrementen de Pierdes)

Zinch f Turmed 9 4, xvai 7
By Zentralbl f d ges Chir a f Geenzgeb

Among 17 bores the author found testame gover in the excrement at so which confirms the results of his previous expenients abowing that testams germs are almost always decharged with the frees at our large domestic animals this explains there wise distinction. Likes, preven his own expension in growing the bacills with Independent improvments in the neithod. He calls attention to the pseudo forms of the testams bacillas which cannot be dustinguished from the tree Anothere Kitasato type morphologically but only by animal experiment attitudes.

Franz, V Intravenous Injection of Corroller Sublimate in Septic Diseases (Uber minavenous Sublimating knon a ber septuchen Erkraakungen) Beitr 2 kl Chir q 4 inxvisi By Zentrahli f d ger Chir a Grennigh

By Zentraini i d get Chir a Greangth Frans experimented in 20 cases with 1 travenous injections of 1 1000 bichloride solution in doses of

rn ccm containing, therefore n ni bichloride per dose There was one anthrax infection and in atteptococcus etaphylococcus and colom septic pyseulus 7 of them being puerperal general infec-

In the authrax case which recovered, no bactors, were demonstrated in the blood After the first injection the temperature sank and unprovement began but France does not left just that the unprovement was due to the backlonde. He thanks that it is definitely beneficial only in the case of batter scale, and in such cases he thanks it worth trying could, and in such cases he thanks it worth trying such as the case of the case of batter scale, and in such cases he thanks it worth trying about he carried, however in the case of the about he carried, however in the case of the case

There were no serious by-effects in any of the author's case. The blood was not harmed in any author's cases. The blood was not harmed in any way by the r roos colution. Even when 4 6 cg was used within 72 hours and 5 cg within for hours there was no injury to the kidneys but in 50 per cent of the cases there was dustrieva and pain in the shdomes. In the fatal cases the bichloride was never the cause ni death. If You Revoy.

SURGICAL THERAPEUTICS

Kojbė Intravenous Treatment of Hydstid Cyst by Arasmobenzol [Le transment intraveneus du kyste hydstique par larsinobenzol] Preg and 9 4, 221, 103 By Journal de Chirurje.

In a paper read before the Society of Comparative Pathology Lolbé gave a engreetive and interesting paper on the treatment of hy dated cyst with arsenobenzol - salversan or even better neosalversan, or similar preparations. He chould the dangers of echinococcue infecting and pointed nut the fact that sometimes, though rarely recovery takes place by spontaneous aseptic absorption of the cyst the ideal treatment therefore would be to bring about this curative process by some simple means, or in destroy the embryos before the cystic period. He suggests utilizing to this purpose the parasitridal effect of arientolemon which has already been demonstrated no spirilis, trypanosomes, filana etc. It is logical therefore in count no its etarihring effect on cestodes especially tenta ech nococcus This is no longer a mere hypothesis, for it has been confirmed in two cases by Prof Rou of Lausenne Lolbé reports these cases in detail In both cases a week after an I travenous injection of arsenobenzol there was a tise of temperature and the discharge through an incision of a turbid cystic find slightly purulent and the vesicles showed

There is some damper in the endden necrous in large cysis followed by uppuration therefore i becomes imports i to diagnose the presence are absonced to the control of the

voluntarily infected with echinococcus By means of such experiments it may become possible to sterilize the dog and cat against echinococcus for it is well known that they are the most dangerous agents in propagating it In the discussion Il cinherg of the Pasteur Institute of Paris declared that re cently one of his colleagues had succeeded to making cysticerci to relibits disappear by the injection of modified 606 which confirms the new therepeutic method experimentally

Schiasal B New Physiological Solutions (Non elles sol trons physiologiques) S me ne med 1013 XXX 589 By Journal de Chirurgie It is admitted that the so-called physiological solution of a 75 per cent sodium chloride given for the purpose of overcoming intoxication on the contrary often argravates the condition of the patient In some cases after the administration of this saline solution there is an increase in blood pressure and diuresis but sumetimes there are signs of progressive and premediable advasmia. The sodium chloride absorbed frem the solution causes an impoverishment of the cellular elements of the tissues depriving the nerve tissue especially of calcium and potassium the calcium sometimes being decreased fifty per cent As calcium has a tonic effect on the nervous system, it may readily he seen that copious injections of saline solution might depress the nervous system Moreover

Therefore Schusss has devised two new physio logical solutions one for subcutaneous and intravenous injection the other for rectal tostallation by the drop method They are in some extent a combination of Ringers and Locke's solutions and the amount of sodium chloride is markedly de creased - (6 50 per 1000 instead of 7 50 per 1000) in place of the sodium chloride a certain amount of potassium is added and also of calcium which in addition to its ton c properties facilitates coagula-

this degree of conceotration of sodium chloride may

fajore the kidneys oo which the work of elimination

devolves

tion of the blood which may he of great service in surgical diseases He has also increased the amount of breathonate of soda for in surgical patients symptoms of acidosis are often observed and it seemed wase to order to neutralize this acidosis to increase the alkaline resources of the body Glucose is diuretic energy producing nutritive and a cardiac tonic The following are the formulas

of the two solutions	
For hypodermic and intravene	ons injection—
Pure sodium chloride	6 50 gr
Potassrum chloride	0 3n gr
Calcium chloride	1 00 gr
Sodium hicarbonate	n 50 gr
Glucose	r 50 gr
Distrilled water	rood gr
For rectal injection by the dro	pp method-
Sodium chloride	6 50 gr
Potassium chloride	n 30 gt
Calcium chloride	1 00 ET
Bicarbonste of soda	O Sogr
Glucose	50 DO ET
Pure ethyl alcohol	15 00 gr
Distilled water	1000 07

The large glucose cooteot of the last solution is noteworthy this is of advantage when absorbed though the direct injection of such large quantities of glucose into the circulation would be more dangerous than useful In general the author helieves that rectal absorption should be utilized more generally to surgery than it now is for two reasons () Liquids introduced per rectum undergo transformation in the portal system and are used only after they have been reduced to meet the physiological needs of the body (2) by this means the patient effects a sort of auto absorption of exactly the amount of haud that he needs

The ethyl alcohol mentioned in the second solu tion in small doses favors the penetration of houids through the intestinal walls and increases the diffusibility of the solution I DUMONT

GYNECOLOGY

UTERUS

Smith, W S: The Early Recognition and Practical Prevention of Uterio Capper 1/d M J 1914, lvu, 69 By Surg Gynec. & Obst.

The author calls attention to the appalling prev alence of this scourge. A careful estimate has pleced the number of deaths from cancer in the United States at 80 000 anoually He deplotes the fact that in the past so little attention has been given to the early diagnosis of cancer

Hamorrhage leucorrhors, or pain, especially in women between 35 and on years furnish sufficient reason for a careful physical examination followed.

if necessary by a prompt resort to the microscope An loteresting point in connection with cancerous nodules of the cervix is that the mucoue membrane which overlies them is not alone congested but upon palpation it seems glued to the structures beneath and does not glude readily over them as so the nor mal and benign conditions The author believes this analagous to the retraction and dimplior of the skin in cancer of the breast

The author believes with Bossi that the proper treatment of cervical lacerations endocervicitis, and endometritis would prevent many cases of cancer A really humanitarian and chancally scientific work would be a propaganda for the prophy laxis of exocer of the uterus by timely systematic and persevering

aureical treatment of beings affections of the cervix and uterine cavity

Tauffer W Treatment of Uterlo Caoese with Radium with Demonstration of Specimens (Übe II ig seruch at Radı as be Gebir-mutterkrebs nut Demonstritiones) Salar g b d Bud beşt k Artı , 913 ii. 43 By Zentralb f d ges Gyulk Geburtsh a d. Grenzgeb

CHDIB

The author gives a list of the numerous points that are still undecided in radium treatment and concludes that in spite of the many questions and doubts in regard to it it is still a heneficent method of treatment and experiments in its use should be extended by the stete society and physicians With previous methods of treatment only so per cent of the patients suffering from nterine cancer had any chance of recovery The other 80 per cent were hopeless, but with radium astonishing effects have been produced. The hamorrhage atops in a few days, also the odor the discharge and the terrible pains restful slerp 1 reests blaned as well as appetite and cheerfulness and the pat ents resume hope. Io the tomors treated with radium there is not only foterstitial cicatrization but destruction of

mancer nests, so it may be hoped that the cure will he permanent But even if actual recovery is not obtained radium at least frees the patient from great suffering and makes the disease more endur Howking

Rertheim Radium Trestment of Cancer of the Uterus (Radiumbehadium des Gebirmutte-krehes) Wun H W & sch 913, xxv., 648 By Zentralbi f d ges Gynak. Geburtsh. d Grengeh

The author reports 19 cases of his own of cardnoma of the nterus o of which were operable is a treated with large doses of radium and mesothorium with strong filtration. Among the o moperable cases there were no brilliant results complete disappeer ance of the tumor occurred only in cases of super ficial carcanoma

Werthern believes he could have secured as good results from exceehleation cautemation, or vaginal amputation of the cervix. While there was not a satisfactory deep effect in the cases that were later examined microscopically there was considerable injury observed in a oumber of cases consisting of general weakness, emacration weakness of the heart headaches, duarrhous, ruses of temperature conditions of excitement and sleeplessness There were other injuries of a local in ture, such as necrosis of the tusties which was not always limited to the site of the diseased focus infiltration of the pelvic connective tissue thickening of the pentoneum refinimization of the lower bowel disturbances in the function of the bladder and more or less severe pain. He believes the these incomes can be very much reduced by means of adequate technique especially with sofficient filtration but with large doses even atrong filtration cannot entirely over come such barmful effects, and he balieves that the radical operation may be made considerably more difficult after radium and mesothonum treatment

and that it will show a greater mortality

The operation is rendered more difficult by the
militation, the hypersemis and selecosis in the
pelvic connective tissue, while the changes in the general condition make the prognosis considerably

For f ture work the author recommends lead fil ters -s mm thick for the part to he urradiated, s-3 mm thick for the surrounding regio and to o layers of grammed paper to guard galast sec-ondary rays. He intends to give up large doses entirely a d apply continuously not more than 2000 milligram bours, with several days intervals between

auta F Experience in the Gynecological Clinic with Radium and Mesotherium in the Treatment of Concer (Die bishen en Erfahrungen der 1 Frau nklm k met Radium und mesother m bel Krein) Il sen med Wehnsch 1913 kun 1953 By Zentralbl. f d ges Gynäk u Geburtah d Grenzgeb

The author has noted in addition to the favorable local effect on the cancer sometimes to the extent of complete disappearance severe general effects during the application also hamorrhage in two cases a vesico-vaginal fistula in one and a rectovamnaf fistula in one Operable cases should be advised to have operation and after treatment with radium severe and inoperable cases should be given radium treatment unless they show severe degrees of cachesia or complete involvement of the vesicovaginal and rectovaginal septa. Method of treat ment three applications of 40-50 mg radium each lasting 5 days with intervals of ten days 100 mg or more should be used only 10 exceptional cases and theo applied only for 0 short time. Real cures can as yet not be reported Toes EE

Clynn E and Bell W B Rhabdomyotarcoms of the Uterus J Chat & Gynce Best Lmp at4 By Surg Gynec & Obst.

The authors give a treatise on this gare neoplasm base f on two recent cases with a review of 18 cases presiously reported.

A pathological description reveal a very complex tumor The tracs ersely striated muscle cells are very few and form only a small nortion of the growth small spendle and round cells being present sometimes forming a stroms for the larger muscle cells Other elements are (1) multinucleated cells or sarcoblasts noted in 5 cases (a) myxomatous tissue 10 7 cases (3) cartulage 5 cases (4) gland tissue 6 cases. These neoplasms come under the category of mesodermal muzed tumors and probably anse from displacem nts of embryonic mesodermal tusue from the lumbar region during e ly fortal lie While the glandular elements may be derived from the Müllerian ducts is in more probable that they are persisting uterine glands and may undergo collateral hyperplasia or e en earcinomitous de Ecneration. CARRY & LE BESSO

de W Mysosarcoma of the Uterua (Über Mysosarcoma t.n.) 4 s f Gysek 9 3 ci Kolde W By Zen ralbi f d ges. Cynik. u Geb rish d Grennerb

The auth points out the extreme rants of myx ostronme of the ut rus if the d tinetion is made between true myxourcoms a d sarcoms with secondary myx m tous degeneration Meyer holds there are only two eases in the literature case exported is a myx matous foresarroms of the utrrus in woman 4 1 rs old who had been suffer ing from e e ham rrhage. The whole ut rine ca my wa tilled with a soft tumor origi ating from the body f the utrrus Macroscopurally it was seen to be my le up of connect ve t saue nel muscular

hands distended with a mucous sobstance micro sengucally the connective tissue basis of the tomor looked in some places fike fibroms in others like anindle celled sarcoma Staining with thiooine decided the diagnosis the wall of the uterus was stained hight blue, parrow hight blue processes extended from it which contained areas of varying size that were colored violet which is the staining reaction of mucous METTIN

Bretschneider Myomatous Uterus Treated with Röntgen Rays (Mit Röntgenstrahlen behandelter myomatour Uterus) Ze traibl f Gy ak rgr4

By Zentralbi. f d. ges Gynāk u Geburtsh a. d. Grenzgeb.

The author presented a specimen obtained on operation a myoma as large as an ostrich egg from the postenor wall of the oterus and projection pertially into the cavity of the uterus Also several small myomata The ovaries were also removed They were not atrophied and on section showed nomerous spots grayish bellow and varying in aire from the head of a pun to that of a hemp seed they were not sharply circumscribed. The specimed came from a patient who had bad twenty rootgeo ray treatments. As there had been no results the naticot demanded operation. The author leaves unsettled the question as to

whether the case was a failure of rontgen treat ment From his experience he does oot see why the operative treatment of my ome of the uterus should he given up 'mong tot operations for myoma he lost one patient He opposes rontgen treatment thefly because among 150 cases he found 8 cases of malignant degeogration of the myoma. He regards a myoma as not cured when after tradiation a large tumor still remains

Sippel A Treatment of Visomata of the Uterua with Rontgen Rays (the B h odl g dr Uterusmyom mit Ro tgenstrahten) Manck By Zentralbi I d grs Gynal

Geburtsh d Grenzgeh The author discusses the 6 cases of myoma of the

oterus that he has treated with rootgen rays in the past aux and one half months following Alberschonberg a method with the exception that he used a shorter focal distance and a 5 mm. aluminum filter lie is not convinced of the harmlessness of Gauss method of giving large doses. The effect of the milder stradiat on is slower than that of the intense irradiation but it is effective and moreover the result of the frat method have extended over a period of fine years so we are in a position to form a better judge at as to de tant results

The hi I indications for irradiation are found in those my omats that cause severe herootrhage by developing toward the cavity of the nterus and the mucova loung women need much larger doses than som a nearing the chimicteric. It must be borne 1 miod also that even when amenorrhora is attained the myoma cells are not destroyed and that

2 The necessity of testing by the Wassermann reaction all patients who present clinical pictures of chromic metritis and fibrous since this may provide the only evidence of the apphilitie noture of the affection

3 The exact proportion which cases of syphilitic fibrosis bear to similar gross changes produced by other factors must at present remain undetermined notif a longer series of cases has been investigated to the control of the contro

Welton T Why rbs Uterus Should Not Be Cu retted a Substitute for Curettene, with a Report of Two Huodred and Eight Cases. Log Id ad M J 9 4 vm 8: By Serg Gynec & Obst

Eliminating the uterine cirette as a means of laboratory diagnosis and coofining the question to one of therapeuties. Welton questions whether or not uterine cirettage is ever justifiable.

All of the condutions which instally have been bought to call for utenne circutage are discussed more or less at length and many explanatory examples are given to show wherein utenne curettage is not only lettle but absolutely hazmit! But, after all, cootinues the author the main objection to utenne curettage is the uter impossibility than to utenne curettage is the uter impossibility.

of thoroughly curetting the interior of the uterus. Welton believes that in the visit majority of cases — perhaps all cases of puerperal septicemia. — the curette is not only useless but enumina! As a substitute for the curette he offers the application of the go per cent incitate of judice to the inside of the uterus. The technique of this procedure is as

follows
Alter the cervix is dilated strips of gause ax to
sight inches long which have been previously
scaked in the go per cent injective of iodine are
introduced by means of a intense sound into the
cervity of the uterus. Each strip is left in the oterus
about one minate then another strip is notroduced.
If a drain is required the last strip of iodinated gause
is left in the uterus and removed in about eight
hours.

To 300 cases including 34 abortions of all types 3 miscarriages and 13 post-partium septicemias the endometrium was indimized, as above indicated and in no case was the curette used except for diagnostic purposes

- The following conclusions may be formulated

 1. The curette is a dangerous instrument and is
- r. The curette is a dangerous instrument and is not capable of doing that which it was originally intended to do.
- 2 Curettage 10 the hands of the mexperienced is a difficult and dangerous operation
- 3 Curettage is many times employed without reason has become a habit handed down from a past generation and could well be dispensed with
- altogether

 4 The 50 per cent tincture of iodine (official)
 applied to the inside of the uterus is at the present
 time the best substitute for uterine curettage

HARVEY B MATTER

Fatton W T: A Case of Supplemental Vicarious Menstruation Cured by Submucous Resection of Naval Septum Lay 19 1001 1214, En & By Surg Gyac. & Obs.

The author reports a case of a woman any rear old who had hemorrhage from the nose for three day preceding each menstrual flow On examination, the nasal system was found to be deviated in an S. shaped deformity touching the turbinstes

on both sides

A sobmucous resection was done and since that
time no hamorrhage has occurred preceding the
menstrual periods

Errory Cary

Whitehouse, H B: Physiology and Pathology of Uterina Harmorphage. Lauce Loud 1914 laxve \$77

By Surg Gyne. & Obst

This paper deals with the physiology of uterase hamorrhage. The most interesting point brought out as a result of the author's expenseous is the effect of the cervical and uterase secretions on the

menstrual blood
It was noted that the formation of a menstrual
flot was usual in the lower animals and by question
ing rao women it was found that so per cent found
small clois in their menstrual flow The question
arose. Why does not all tha blood clo? An
attempt by the author and hintland to discover

an antithrombin gave only negative results. Whethouse makes the sittement that with the healthy and normal endomentum clotting slwsys takes place in the strene enviry. Thus with accorated when an attempt was made to obtain blood from the ulterne cavity by means of a utree estheter. The shood als ye clotted in the tube even when the tube was olded and paraffined.

The question arose as to whether there was not a specific throadbylyau in the uterans secretic To prove this measural blood, both vagual and uterane was obtained and added to blood from the beather with. This musture clotted in a short time and on incubation the clot was resolved within from 6 to 24 hours. To other experime is it was that the throadbylic properties to the waste of the companion of the companion

N vt the effects of muon, calcium salts bettee and butyric acids—substances present to mentional blood—were tried on the congulation of blood a resolution of the clot—they were negative

The author notes in passing that evanae blood cysts have a thrombolytic action, but is co tradistruction to menstrail fluids they contain no calcum salts while menstrail fluids contain more they the naul emount.

In brief, it is shown that the menstrual discharge must be classed under two beads vs. () conlexis of the uterus, and (2) contents of the varsa. The menstrual blood clots very rapidly 1 the uterus and as theo digested by a lyalo and passes into the vagua quality in a flood state Weishaupt E 1 Eosinophilic Leucocytes in Infammatory Infiltration Dapecially in Carcinoma of the Uterus Treated with and without Irradiation (Übe counophile Leukocyte in entaindiluchen Infiltrate besonders der mit und has Strahlentherapi ortehandelten Uterus-

carcinome) A ch f G; hh 1913 ci 480 By Zentralbi i d ges Gynäk u Geburtsh d Grenageh

The examination for local increase of cosmophilic leucoytes showed positive results in 59.3 per cert of the cases, most of them carcinoms of the female gentalia. In other tumors and in infla med tissues there was a local increase of cosmophiles in only 50 per cent of the cases.

In an alveolar carcumona of the cervu that had been treated with small doses of rotingen rays there was a maximum increase in cosmophile leucocytes but atth only a few body preserved plasmacella Exemphilic leucocytes and plasmacella as wellcocur in great numbers only in somewhat succulent lying issue they disappear from necrotic and scient integration of the control of the control of the control than the control of the control of the condition has arisen spontaneously or as the result of tradiation.

Local cosmophila is found in begnanung as well as advanced extrenoma and in those that show necross and hemorrhage as well as those that do not considered than plasma cell affirstuon in currenoma in the consideration of the consideration of

Poth, If Torsion of the Myomatous Uterus (Kasustischer Beit as ur Achsendrchung des myom toest Uterus) Zentr lbi f G) k 9 3 xxvu 47

Exxtu 47

By Zentralbi f d ges Gyntk u Geburtsh s d Grenzgeb A fifty six year ald unmarried woman had passed the menopause five years hefure At 35 years of sge her ahdomen had hegun to increase in size Four wreks before the present illness there hed been increased growth of the abdomen pain and con stipation Two days before the aperation she was troubled with sudden severe pain, vomiti g and complete constitution Laporotomy was per formed because torsion of the pedicle of a tumor of the right overy was suspected. There was a hemorrhegic exudate in the abdominal cavity A tumor as large as a man's head was found at was ligated The uterus with the adnezs and the right broad ligament was twisted 500 around its long asis from right to left. It was amputated with the adnexa at the point of torsion The myoma weighed 375n gms On the anterior surface of the fundus there was a subserous myoma as large as a walnut and nn the posterior surface an interstitual one the size of a dove's egg. The torsion was probably started by the patient s work as a seam

stress and the immediate cause was probably active penstalists and change of position in sleep Elighty two cases of torsinn of a myomatous uterus are described in the literature Miralles

Peterson E. A: Streptococcic Infection of the Cervix Uteri. Med Rec 1914 luxxv 571 By Surg Gynec & Obst.

Examination of a young girl of 18 years showed the vulva to be the sex in an intense expupeloid inflammation involving the entire gentials and the sutrounding six fin for a distance of one inch. This was accompanied by much itching and hurning Lencorrhea was into present. Three such attacks occurred and the leucorrheas at no time ceased between attacks although antisophic douches were

After the third attack, a vagual examination was made and the portio vaguants of the cervix was found to be red and denuded of mucous membrane After a treatment of daily applications of argyrol tampons for a munth the condition was cured Bacterological examination showed the presence of many short chelsed streptococc. There was no recurrence of the former condition and the leucor them cassed DLOWE CANY

Whitehouse B Syphilia in Relating to Uterina
Disease. J Obst & Gynes Brit Emp 1914 XXV
3 By Surg Gynes & Obst

This paper is o preliminary report on a series of 18 cases of chronic metritis of which a history of syphilis was obtained in but one but of which ? gave o well marked positive reaction to the Wasser mann test The author had usually regarded fibrosis uten as heing a reparative process secondary to degeneration of the myomatous elements Espe cially in elderly wimen this was thought to be the result of arternosclerosus but in the light of the positive Wassermann reaction it would appear that this fibrosis is also at times associated with a syphilitic element This agrees with Andrews observation that certain lesions of advanced syphilis are intrinsically fibrotic from the heginning as the hepatic cirrhisis and pulmonary induration in the syphilite infant Many lesins in the acquired disease take the same form

The writer a unvestigations were made along two hors of inaumy. (i) the application of the Waser mann reaction to patients who present uterame lessons and (2) attempts in demoustrate the sprotchete pallids in the tissues are secretions of the uteras. Thus far Whitelouse has failed to show the uteras. Thus far Whitelouse has failed to show the uteras. Thus far Whitelouse has failed to show the title that the secretary of the property of the pr

The importance of recognizing a form of fibrosis of the uterus produced by the virus of syphiles in other words the existence of a true syphilitic fibrosis 2 The necessity of testing by the Wassermann reaction all patients who present claused pictures of chrome metrits and fibrosis since this may provide the only evidence of the eyphilitic nature of the affection

50

3 The exact proportion which cases of apphilities fibrous bear to semilar gross changes produced by other factors must at present remain andetermined until a longer series of cases has been investigated.

CLEAN CELEMETER

Welton T: Why th Uteru Should Not Be Curetted a Substitute for Curettage, with a Report of Two Hundred and Eight Cases. Long I land M J 1914 vm S: By Surg Gyeec & Obst.

Eliminating the uterine curette as a means of laboratory diagnosis and confining the question to one of therapeutics. Welton questions whether or not uternae curettage is ever justifiable.

All of the conditions which usually have been thought to call for aterna curettage are discussed more or less at length and many explanatory examples are given to show wherein uternae curettee as not only fattle but absolutely harnful. Bat, after all continues the author the main objection to uternae curettage is the utter impossibility

of thoroughly curetting the interior of the uterns? Welton behere that in the vast majority of cases — perhaps all cases of piecipees septiaceus, — the curette is not only useless but criminal. As a substitute for the curette he offers the application of the yo per cent tincture of sodue to the smaller of the along the transportation of the curette of the production of the standard of the press.

After the cervex is distred strips of games as to eight inches long, which have been previously soaked in the 50 per cent inactors of sodine are notroduced by wearns of a survivas cound into the cavity of the uterus Each etting is left, in the otterns about 0 or mainter them souther atting introduced about 0 or inequared the latest arting introduced in the uterus and removed in about eight hours.

In 303 cases, including 3,4 abortions of all types, 2 miscarrages and 33 post-partim septicemias the endometrium was inclusted as above indicated and in no case was the curette used except for diagnostic purposes

The following conclusions may be formulated

1 The curette is a dangerous instrument and is
not capable of doing that which it was originally

intended to do
2 Curettage in the hands of the inexperienced
is a difficult and dangerous operation

3 Curettage is many times employed without reason has become a habit handed down from a past generation a d could well be dispensed with alternative.

4 The 50 per cent tincture of sodine (official) applied to the inside of the aterus is at the present time the best substitute for otenne curettage.

HANNE B MATHEMA

Patton W T A Case of Supplemental Vicarious Meastruation Cured by Submucaus Reaction of Nanal Septum Largersteps, 1914 In 184 By Surg Gract. A Obst.

The author reports a case of a woman so years old who had hamorrhage from the nose for three days preceding seach mentational flow On examination the nasal system was found to be deviated in an S-shaped deformity touching the turbinates on both sides.

A sabmucous resection was done and ence that time no hemorrhage has occurred preceding the menstrual periods Everyz Cary

Whitehouse, H B: Physiology and Pathology of Uterine Harmorrhage. Lond Lond 914 cleared, \$17 By Surg Gynce, & Ohst

This paper deals with the physiology of otenne hemorrhage. The most interesting point brought out as a result of the author's expenence is the effect of the cervical and uterpe secretions on the

mentional blood.

It was noted that the formation of a mentional clot was usual to the lower animals and by questioning the women of the second conditions to be restricted must found that to per errit found emuli clots in their mentional flow. The question arose. Why does not all the blood clot? An attempt by the nathor and Mantland to discover

as antifrombin gave only orgative results. Whitehouse makes the statement that with the healthy and normal endometrium clotting always takes place in the userume cavity. This was do our red when are ettempt was made to obtain fixed from the uterine cavity by means of a uterial catheter. The blood strays clotted in the tube

even when the take was olied and parefined. The questions arise as to whether there was not a specific thrombolysis in the uterns secretion. To secretic thrombolysis in the uterns secretion. To secretion the secretion that the secretion that the secretion that the secretion to the secretion that the secretion to the clotted in a short time and on anouthatto the clot was resol ed with o from 6 to 4 hours. In other experiments it was found that this librariosity property of mentical blood carried out the library of mentical blood carried out the library of the secretic dest that they are the secretic dest the library of the secretic out to those the carried out to the carr

Next the effect of m no calcium salte iscue end butyne acids—substa ces present n menstrual blood—sere tined on the coagulation of blood and

resolution of the clot — they were negative.

The author notes means in that overnae bloodcysts have a thrombolytic action, but in co tradistinction to mensirual fluids they contain no calcium salts while m natural fluids contain more

that the usual amount

In brief it is hown that the menstrual discharge
must be classed under two heads viz (2) contents
of the uterus, and (2) contents of the vagua. The
menturual blood clots are yearfully in the uterus and
as thee digested by a lysin and passes into the vagua.

usually in a fluid state

The author discusses the histological character istics of the menstruating endometrium as described by Alder and Hitschman The condition is divided into (r) premenstrual (a) menstrual and (3) post menstrual stages The premenstrual period is the time when the cells of the endometrum have reached their highest stage of physiological development and at this time they exhibit in many cases a decidoal appearance or a decidual reaction as shown in figures lo the original article

If pregnancy does not now take place menstrual hamorehage occurs and tissue cells are lost The post mensional period is a reconstructive period

As regards factors in the production and cessa tion of meastrual hemorehage there are three possi hibties (r) the effect of uterine contractions limit ing the supply of blood (2) the action of hormones producing capillary dilatation is uters and (3) a biochemical function of the endometrium Bell and the author have both caused utenne contractions in rabbits by injection of ntenne secretions so to this way by reabsorption uterine blood flow may he limited Bond has gone linto this chemical composition of uterine secretions and has artificially produced hydrometris for experimental purposes in rabbits. Whitehouse performed aix experiments on rabbits with this in mind and reached the follow ing conclusions

The experiments as far as the investigation has gone appear to show that the uterine secretion in rabbits at least is under the control of the ovaries both as to amount and physiological action The normal secretion apparently aids coagulation of the blood-a rount of interest when it is remembered that pro-cestrum in this animal is not associated as a rule with external hammerhage. The secretion The secretion ments ha e shown that when the fluid is pent up ss in artificial hydrometrs cestrum is frequent and prolonged and the author's investigations certainly tend to confirm Bond a phervations It appears pos sible therefore that aterioe secretion stimulated and controlled by an ovarian hormone is partly absorbed and produces that dilatation of ewels which is characteristic of the late stages of pro-estrum and Immediately precedes astrum

The effects of extracts of heep's endometrium and avary containing corpus luteum on the uterus and ovaries of rabbits was ned but not negritive results were phtained LIGETE C AT

Dermatosis Dysmenorthnica Sym m frica (W tere lie trage r D em tous dy men rrh ic mm trie) A & f Derm t 5 pk B Zentralbi f d ges Gynal. Geburtsh d Crenzgeb

This disease affect unly women who have more or les menstrual disturbance Most cases show the poid reaction of \eumann and Hermann The skin affection begith with hypersems of the peri-full cular vessels followed by serons or bloody exudation and the formation of vesicles on the epidermis

In mild cases the process ends in a few days in severe cases there may be necrosis in the nature of an infarct which extends entirely through the cutis and heals slowly leaving severe scars. The cruptloo may appear over the whole body but it is almost always symmetrical The disease often appears as a symptom of puberty Therapeutically nvaraden triferrin seems to have a good effect The author thinks it certain that the skio symptoms are not artefacts. The etiology seems to indicate a disturbance of the internal secretion of the ovary but nothing is known as to the nature of it

The author rejects the theory that it is a tropho neurotic disturbance To prove that dermatosis dysmenorchoica symmetrica is an independent clin ical entity he discusses the so-called angioneuroses, which have the characteristics of herpes and can be traced to lemons of definite nerves. RIDERWAYS

Friedrich M Amenorrhora and Tuberculosis a Clinical and Experimental Study (Amenorrhöe and Phthise Eine klimische und experimentelle St die) Arch f Gynth 2013 Ct 376
By Zentralbi I d. ges Gynth. u Geburtsh s d Grenzgeb.

The results of the author's experiments are as follows Amenorthma very frequently accompanies pulmonary tuberculous therefore it has been very commonly assumed that there was a causal relation Lapoid determination does not between them show any such relationship It is prohable that the ovanes are very sensitive organs and the cessation of their function shows a decreased resistance of the body or a disturbance in the equilibrium of metali olism Animal experiments did not show that lipoidemia favored the dissemination of the tuber cular process in fact they indicated the contrary Tuberculosis made marked progress only in preg nancy which shows that special factors are at work in this coodition. In intoxications there was on effect on the process either for good or evil But lipaidemia is an important factor in pregnancy It is possible that in this condition lipaid determina tion may be a valuable means of diagnosis

Rmor

Van Teutem E. S.: Does Retroffesion Cause Symptoms (Macht Retroffes Symptome)? Meanful seri & en suscens old is of By Zentralbi i d ges Gynak Geburtah i d Grennech

The answer to the above question seems to the

author important from a medicolegal standpoint He examined 441 parous and 212 nulliparous women at the Leiden gynecological clinic and concluded thet retroflexion without symptoms is very unusual Sixty four per cent of the parous and 75 per cent of the nulliparous women complained of pain path in the abdomen and in some cases scintica etc. were to be attributed to the retroflexion 79 per cent of the multiparse and 60 per cent of the nulliparse had menorthagia 37 and 73 per cent dysmenorrhesa 50 and 53 per cent too frequent menses 50 and 54 per cent urregular menstruation and I per cent of the nulliparse amenorehora

There was leucorrhors in 77 per cent of the multiparst and 62 per cent of the nullsparse white the same symptom occurred in anteficion lo only 45 and 20 per cent of the cases. Sternity was not increased by retroflexion but the tendency to abor tion was. About 20 per cent of the women com plained of general disturbences such as pervonsness and stomach disorders

Astheme symptoms were found twice as often in women with retroflexed uten as in women with uteri io a normal position Io almost all of the cases tha author believes the symptoms were to be attributed to the retroflemon Asthema is rarely diseases of the adnexs and prolapse practically never the cause as the tables relate only to movable retroflexions doubtful cases were eliminated C H STRATE

Stark, S. The Etiology of Pelvic Prolame, Anatomically Considered. Laned-Cl , 9 4 cm, 369
By Surg Gynec & Chat.

The views presented are the result of dissection seven pelves from aubjects who had met with laceration of the nutlet and presented varying

degrees of prolapse

Differences in cheracter and degree of descent of pelvic structures are dependent upon variations in the nature of existing lesions. Although the paper only takes cognizance of prolapse due to anatomical trauma with the sequelæ thereof the author states that the same underlying principles can be made to apply tu concential prolapse to that associated with spina block extrody witho bladder and that consequent upon emilty. It is his belief that prolapse is at all times the direct result of a fault in the connective-tissue structures of the geortu unnary urgans. He has no faith in the influence that the levator any or any other penneal muscle directly exercises as aupporting arent and believes that this power is only operative through the medium of its fascia. It is high time he thinks, that reference to tears through the levator ant muscle and textbook illustrations of this char acter were eliminated for they are pure figments of the Imagination Io all the minute dissection made by Tandler and Halban, Edward Martin and Liepman not once did they encounter a tear through the levator muscle

The author then takes up the normal position of the gento-unnary organs. This is followed by a description of the anatomy of the pelvis and the rôle played by the various fascial layers. From his atudies Stark holds that the descent of the uterna or hladder wall is entirely due to damage to the pelvic connective tissue and prolapse of the vagino-sectal septum to a lesion of the connective tissue of the pelvic outlet. It is an accepted abservation that complete laceration of the permeum is very often unattended with descent of the pelvic viscera. The enlargement of the genetal histus is the direct result of a defect in the permeal fascia which per muts the levatores to roll outward and consequently toward the lateral wall of the pelvis The atrophy

and fatty degeneration are secondary conditions fullowing the pressure and circulatory disturbance occasioned by the prolapse COW L. CORNELL

Schubert G: Transplantation of Fascis lo the Treatment of Total Prolapse (Die Vetwetung der fram Fastion-Iransplantation zur Heilung des T talprolapses) Zestreibl f Gyadt 9 4 xxxva,

By Zentralbl. f d ges Gyntk. o Geburtsh a d. Grenzgeb

The author describes in detail a procedure by which he tries to supplement the defective function of the ligaments of the uterus by means of transplanted fascia By fixing a band of fascia in the region of the sacro-nterme ligament the prolapsed part of the lower segment of the uterus is lifted no and held in a position of anteflexion by o sort of lever action the fulcrum of the lever being about at the level of the Insertion of the round ligament in the sormal uterus By fix og the free end of the band of fascia to the abdominal musculature the fulcrum is kept from a nking further BECAU HOUT

Watkins T J Transposition of the Uterus ad Biadder in the Treatment of Extensive Co to-cels nd Uterine Prolapse J Muck St M Sec 9 4 lu 27

Cystocele is herris of the bladder -- uterine pro lapse is herma of the uterus. The transposing I the relat we positions of the bladder and uterus cures the cystocele The bladder rests upon the postenor surface of the uterus. The uterus plugs the hermal author's knowledge of the cystocele in an experi ence ul sateen years Some recuttence ul the utenne prolapse has occurred in 5 to 10 per cent of Cases

The fundus the cervar or the fundus and cervar may protrude into the vagonal onfice This bowever as easily remedied by a second operation

The operation should be modified as required in each and vidual case as follows (r) Very large uterus (a) hypertrophied or much elongated cervix and (a) extensively elongated broad braments

The modified technique consusts in (s) Excision of part of the large uterus the antenor wall and part of the fundus (s) high amoutation of the cer viz (a) when much uf the uterus is removed or a high amputation made excision of all of the uterine cosa sumplifies the technique

Thorough reaguing out of the cervix is valuable in cases of complete uterine prolapse. Firm closurs of the penneum is essential to a good result

Stickel, M Esperimental Study of the Effect of Glands of Internal Secretion on the Activity of the Uterus (Expenmentelle U teruchungen über den Emdins der Drusen mt tunere Sekretion auf der Uterustätigkeit) dreh f Anat Physiol

By Ze traibl f d ges. Gynák. Geburtah d. Grenageb Spontaneous contractions of the oterus are only rarely found in virgin rabbits. In rabbits which hive delivered young there are almost always apontaneous contractions, while in rabbits which have been custated the curve resembles that of wright rabbits. The intenne curve of rabbits whose owners have been tested with routigen trays is smiller. The virgin uterus responds the least the pregnant interus the most to covitous.

The pubsitaces that stimulate the uterus to contractions in rabbits that heve been delivered of young are ownise extract a corpets luteum extract of cattle and ownise extract of normal rabbits and those that have been treated with rootgen rays. Corpus luteum extract has the most pronounced effect but the effect is fess marked in castasted animals

Extract of ownes of rabbits thet have been treated with routgen rays has an ospecally acture effect on the aterus of rabbits that heve been treated with the rays. He comes to the conclusion that there is us the body of the rabbit a hormone that inhibits uterane contraction and that there is an ovarian hormone that is antaconstite to it.

Schmauch G The Thyroid Gland in Woman and Its Effect on Menatrustion and Prefixancy (De Schilddrise der Frau and he Enfluse auf Mentituat on und Schwangerschaft) If slacks f Geb sich a Grandt ant artum 66

Geb rich u Gynak oth zuriu, 66 By Zentralbi f d ges Gynak u Geburtsh d Grensgeb

The difference between man and woman is due not only to the overy but to the whole system of glads with internal screttom. The penodicity and greater intals fit of the organs is specifically femanine. Percolarly in manufested by measurement of the percolarly in the percolarly manufested by measurement of the percolarly in the percolar of performance of the percolar of the thyroid is shown by its increase in size during the period.

A further evidence is lurmished by the history of a case of amenorihes, with menstrual motimen in which thy raden had a temporary curative effect. The periods often occur prematurely during thy

The periods often occur prematurely during thy rold therapy a case being reported by the author in which migraine appearing first at the time of the periods and then more frequently was cured by thyraden

In another woman with 15 mptoms of Basedow's disease there was a decrease fo the menstrual discharge in a later stage of hypothyroidism it was forcessed and at llater under thyroid medication it returned to the earlier type

In the beginning of pregnancy there is frequently insufficiency (the thyroid gload \ normal course is possible only if the gland is suff cently active and changes in metabolams such as the removal of calcium phosphorus etc. for the outstation of the forus urinat in glands with orternal screetion evidence of which is found in the insufficiency of the subspan is made for the properties of the properties of

The hypersecretion of the thyroid enables the mother to give up more salts for the nutrition of the foctus. If this were not the case the maternal organism would be exhausted by the foctus there fore women who have lost the necessary elasticity of the organs suffer much from pregnancy After delivery the functional capacity of the glands is decreased again without any disturbance this decrease is as inexplicable as the earlier increase. Ovulation may furnish the stimulation for the forms tion of myomata pregnancy interrupts this period scal stimulation and may therefore tend to prevent them In one case a myoma was found during pregnaccy that could not be demonstrated two and one-half years later Sterility frequently produces numerous unpleasant symptoms that disappear with the beginning of pregnancy KERMAUNER

ADNEXAL AND PERIUTERINE CONDITIONS

Meyer R Pathological Anatomy of the Overy (Be t age zur path logischen Anatomie des Oversums) V hendt d deutsch path Get linck 1913

By Zentralbi f d ges Gynák u Geburtsh s d Grenageb

The chef sources of ovanan cyats are (i) Cyats which organize in periodiporitis by heterotopic proliferation of epithelium and the formation of an equitable limit to aborde sevilies (i) cysts of the rete and of the medulia and (i) parenchymatous cysts, in which follocular cysts and corpus litetum cysts, in which follocular cysts and corpus litetum contact to the designation. As your draws a sharp characteristic of the cysts of the

Kell r R Functional Test of Acci lty of the Orasy (Deer Patitoropalisages der O axial House) (Deer Patitoropalisages der O axial House) (Deer Patitoropalisages der O axial House) (Deer Patitoropalisages) (Deer Patitoropal

The conclusion is that the function of the ovary cannot be tested by the reaction after injections of adrenalm or of atropine and pilocarpine.

BUISE GRICER.

Perkins, C. W Concer of the Overy with Rupture in a Child of Eight Years. J Am Inti Homest 1914, vi 790 By Surg Gyner, & Obst.

Perkins gives a short resume of the literature and reports a cass of sarcoma of the avary in a got of

eight years

At the Massachusetts General Hospital, between 1870 and 1910 there were only 54 cases of cancer of the overy in 6 of these there was no operation in 19 there were at autopsy evidences of ascites 5 cases were sercome but one of these had earster No ages were given Labey reported a case of carcinoma of the overy in a girl eleven years old. According to Pfannensted the average age in his series was thirty-two years

It is said that sarcoma of the overy is almost always primary and that if secondary it is from the uterus In Perlana case the uterus was normal but the omentum was sarcomatous so that the growth must have been secondary to the omentom

The following conclusions are appended t The accurate diagnosis of malignant tumors in

young girls is rarely possible
2 Fluid in the abdomen in a child without general anasares, provided pencarditis and circhosis be excluded should always be investigated by ex ploratory laparotomy

3 Ovarian tumors in young girls should be removed immediately

4 The occurrence of metastatic nodules in sur rounding structures is almost certain HARVEY B MATHEMA

Klein G : A Hitherto Unrecognized Function of Alein G i A Hitmerto unrecognates Function of Halliquant Orarian Turpore (Über eine baher nicht bekannte Funktion malgater Oraraktimoren) Etigher f God rick Gyndk , 613 bz. 3 By Zentralbl. f d gat. Gyndk u. Geburnh s d. Grennych.

On the microscopical examination of two make nant papillomats of the overy the author for immediately under the surface spithelium of the vills, and only there that the connective tissue #25 saturated with serous fluid. This was due to sheorption on the part of the tumor epathelium which had taken up fluid from the lymph-spaces of the abdominal cavity. This fluid may possibly have a toxic effect on tumora If this is true, the appearance of ascites to malignant tumors is to be regarded as a protective procedure on the part of the body designed to destroy the tamor Therefore the subcutaneous injection of ascitis fluid may be regarded as a rational therapeutic measur RITTERSHAUE

Lewitsky, M. D. Primary Carcinoma of th. Tube (Zox Frage des primares Tubencarca ma) Ziecke f Gob risk. Gyn k. 9 3 rovus, 1805 By Zentralbl. f d. ger Gynak. u. Geburtsk. a. d. Grenngeb.

A short description is given of the published cases of primary carcinoma of the tube From these and his own cases the author describes the ci meal and pathological anatomical picture of the disease

Preceding inflammation of the tube is an stiological factor. Most cases are in women who have had no children or only one It generally appears during the chmactene Cramplike pains are among the early symptoms There is leucorrhors which is first serous, then seropuralent and finally bloody It is periodical and when it appears the tube decreases In size Frequently there is dysuria, but often there is no decided casheria. The symptoms mentioned, except the cramplike pairs are moonstant therefore there are difficulties in the clinical diagnosis

Primary carcinomata of the tube are of papillary structure from the size of a plom to that of a child's attracture rimin this size of a pions to teat of a court head and hard in consustency. They are mostly attracted in the true polyss to one side and behind the oterus. Microscopically they may be papillary or villors alveolar or mixed generally the latter As to the structure of the epithshom they are cylindrical celled cancers Unfa nrable conditions of nutration lead to degenerative processes and deposition of calcum Extension of such cancers is by continuity and metastass. The treatment consusts of operation by laparotomy. There are different methods of eration the radical, the supravagual, removal of both tubes, or removal of only the diseased tube Recurrence is frequent and generally apprears between the nineteenth and twentieth month As many cases show the result depends not on the meth od of operation but on the operation being performed early Grannen.

Founds, J: Primary Carcinoma of the Tube (Uter dus primare Tubescarcinom) Zentralii f Gynth

39 3 maye 1317 By Zeatrabl, t d ges Gynsk, s. Geburtsh, a. d. Greangeb.

Cancer of the tube has only been diagnosed in 65 per cent of th cases Fony6 distinguishes cancer of the stucous membrane (a) sample papi-lary extranoma (b) siveolar papillary carcinoma and cancer of the wall of the tobe alveolar carcinoma (Friedenheim) He regards the papillary type as the chief one the others being merely variations of it. None of the methods of treatment have been successful because the diagnosis is generally not made until the disease is in an advanced stage As only the early stages give any hope of cure by radical operation and as diagnosis at this stage is very deficult Fonyo recommends that radical total entirpation with removal of the retropersionest glands be performed in all cases of doubtful tumors of the adnexs E HOPFMAN

Kraps E. Epithelial Proliferation in th Tube Resembling Carcinoma (Ther carcinomilialiche Epithelwicherungs in de T be) Gynth Raud-che 0 3 vu 187 By Zentrahl I d. ges. Gynsk u Gebutsh d Grenspel

The uthor examined to inflamed tubes histologically thirty-eight showed no proliferation of the cuttedium and as showed proliferation. Three of these resembled carcinom the epithebium had penetisted. the sutire stroms This similarity to carrinoms has been described by most authors in connection with inherculosis but Von Franqué had a case in a non tubercular salpingitis the author found that it was not inherculous but inflammation that was respon sible for the proliferation Among the 60 cases there were only a cases of inherculous and none of these showed any similarity to cancer

The author explains the extreme degree of proliferation as follows The products of infis mmation stimulate the epithelium to proliferation in places where the secretion stagnates the irritation acts over a longer time and the proliferation continually progresses The question of the etiological relation between cancer and inflammation cannot be decided for it is generally very difficult to decide whether the inflammation or the cancer came first He does not decide the question of whether the epithebal probleration is really executomatous ROTEKANY

Child Jr C. G The Surgical Treatment of the Tube and Orary J Ohn & Grace Bril Emp By S rg Gynec. & Obst 1013 XXV 578 Child contributes a general article on the technical

phase of his subject. His conclusions are When operating by the shdominal route the pus should always be removed by aspiration before any extensive separation of adhesions is attempted. This prevents soiling the peritoneal cavity and by decreasing the bulb of the tumor cases up on the adhesions, adding very rosterially to the inbiequent

ease of the operation 2 Drainage should not he used in other than exceptional cases such as the mixed tolections and where there is a great deal of oozing from raw sur faces and then the drainage should he per vaging The transverse incision should he used for

greater exposure of the field of operation with less exposure of the intestines a In closure the abdominal wound the use of shoorbable suture material should be avoided Better results are to be obtained with non absorbable

non infectible material 5 The condition of the appendix should he in spected without fail to make sure that it is not in the pelvis CARRY COLUMNICATION

EXTERNAL GENTRALIA

Ruge E Construction of Vagina from Sigmoid Flexure by Laparotomy (Erists der Vagna durch die Flexur M tiels Laparotomie) Deut che med Websicher 914 zl o By Zeutralbi f d. ges. Gyulk. u. Geburtsh a. d. Grenigeb

The anthor gives a short critical discussion of the two chief methods of replacing the defective vaging then be describes a procedure soccessfully performed on one of his patients He made a transperso men f the fascia just above the symphysis. The free loop of the flexure was brought forward and a piece 15 cm loog excluded with the mesentery at tached It was higated above and helow with hier

ligatures The excised piece was laid aside in damp compresses while the two openings in the flexure were sutured together circularly with a continuous knen and an invaginating catgut suture. The inca sion in the mesentery was then closed with fine sutures A canal was made with dressing forceps from the vulva through the floor of the pelvis and the heature at the lower end of the excised piece of intestine seized and drawn through it until it pro sected 1 cm in front of the vulva The perstoneum of the pelvic floor was sutured to the piece of in testine with two catgut sutures The mesentery of the fleaure was fastened to the pedicle of the vessel by a catgut suture so that it was separated by the rest of the flexure from the remaining contents of the abdomen The abdominal wound was sutured the heature was removed from the end of intestine in front of the vulva and the intestinal roucous mem brane sutured with catgut to the skin of the vulva.

Curtis A Il : The Etfology and Bacteriology of Leucorrhom Sw g G; ec & Ob t 014 xvm 299.

By Surg Gynec & Obst.

The author's paper is the forerunner of one on trestment 1 twenty months study of 75 cases furnishes the basis for the report which includes a detailed description of bacteria coromon to leucor 1 para

The anthor finds thet the uterios cavity tends to remain free from bacteria in cases of chronic puru tent vagnal discharge

Mucus from the cervix may promote the develop ment of purulent discharges the usual seat of formation of which is the lower genital tract

Conorrhead infection is the exciting cause of leucorrhoza in the majority of women who have pever been pregnant. After cauling changes favorable for the development of mildly pathogenic organisms the gonococcus tends to disappear This suggests that a chief part played by it in chronic

cases consists in preparing the soil for leucorrhoea-producing anaerobic bacteria Relats ely small numbers of staphylococca and colon bacilli are found except in patients who frequently use douches Streptococci are wanting in fresh smeare but develop from diplococci in cultures,

The great contingent of leucorrhoral bacteria consists of anasrohes of which gram negative bacille form a large proportion These bacteria attack the tissues with low resistance and apparently play an active part in the production and maintenance of leucorrhora Consideration of the fuffuence ou leucorrhoes exerted by various lesso s e g lacerations displacements ete is reservedfor a later date

Varella, C. Treatment of Simple Vaginal Hydrocele by Adrenalin (Trait ment de f hydrocel: vagnada simple par t adrenaline) Impress med 013 x24, 335 By Journal de Chrungie

Varella reviews the difficulties in the treatment of vaginal hydrocele In puncture followed by the injection of tincture of induce there is pair which keeps the patients to bed for evenal days require recurrence etc. the tinues vaganals is often so that that it is difficult to torn it hack, and if it is exceed there is an injunous effect on the function of the testucle. Therefore he has adopted Rupic treatment puncture followed by the impection of utreatment puncture followed by the impection of utreatment which is usingle method, harmless pain less and effective and it can be performed in the office without keeping the patient from his work.

Ropfle first treated vagnal hydrocele by this method the idea resulting from the reading of Barr s treatment in 1904 of several cases of scrous effusion pleural peneardize and ascitic by the mjection of z 5000 adrenalin the injection being repeated two or three times the result heing th t effusions which could not be overcome in any other way disappeared Rupfle decided to apply the method io the treatment of two cases of vacuual hydrocele on of which had lasted for to years and the other for y years Both cases had been trested unsuccessfully by repeated puncture with or with out injection of alcohol sodine etc. Ruptle removed several hundred cem of the liquid and njected 2 cem of 1 5000 adrenalio. The results were the same in the two cases a little after the injection there was severe pare then for a few days slight symptoma of inflammatory or irrital ve resction with a fittle effu ion which disappeared after a few days with drying up of the hydrocele to a few seeks. There was no recurrence o months after the operation

Rupfé found the method simple hirmless and efficiencies and decided to use t commonly o his practice. Direction is she used the method as it is not considered to be compared to the practice. The properties of t

seen again without recurrence

Bart a method deserves t be tract in cases wh are on any reason radical tratinar it by partial vision of the tumes vaginalis cannot be performed. In later operation remains the method of choice. The chief point urged against 1 injury to the function of the testicle does not occur if the resect on a only partial, as Ancel a d Bout h abown 11 is only mergman as total ax to in that produces atrophy of the operation part of the gland as the preservation of the intential part.

Bends, C. Case of External Female Facudolar resphred tisms (Fall vo Parudolarmaphrodro mus funsums sternas) Berl 11 if de act 12 4. h 65 By Zentzhik f d. ges Gyask u. Geburtsh. d. Greszgeb

By Zentraibl. I d. ges Gyndk u. Geburtsh. d. Geenzen Autopsy was performed on the body of a twomonths' old boy Externally there were completely developed male gentalia, except that there were as testucies in the sections, no conjunction with sendwarns uterus tobes and ovaries. This is his nost complete case of pseudohermalprodutum that has thus far been observed and Benda proposes the name pseudarnelia for it. In the hope of ductore ang true bermaphrodutum he examined the ovares for male gland formation but found none

and the state of t

MISCELLANEOUS

Buiss Cynecological Examinations and Operations in Psychosea (Grainologiche Uter such neem od Operations ben Fy fotes) Al Isra med Heb ich 9,1 85 By Zentralbi i dges Grain Geburtah s d Crenario

The suthor was axonushed to find how frequently gracedoperal disseases were found in mentally diseased women 'abnormaticae o position were usually most frequent as a result of uppers demarked the control of the internation of the internation

Vious of the operations were for the correction of displacements. In a considerable number of these cares the orange were removed also and later the effect in the psychosis was tested by means of Abdorch idem reaction. Some of the oper times the contract of the psychosis was tested by means of abdorch idem reaction. Some of the oper times played but the results of lipantoniums with the transverse incusion seemed to be bett r than with the transverse incusion seemed to be better than with the problem of the process of the proc

Friedel Grnecological Examination and Operations in Psychoses (Grankologiche Letter sochangen und Operationen bei Psychosen) Af seien Med H A: A 933 tz 280 By Zentrabb f of ges. Grank Geburtsk d Grenzgeb

The autho and Busse examined 200 cases in 10 per cent of which gynecological operations were per formed. Two h sterical pat ents who had been castrated one 30 and one 2 years before showed no effect on their reachores The imbeciles were often Lept in the institution only on account of the fear of their having illegitimate children

In epileptics improvement was seen after abortion In the cases of circular insanity different gynecolog ical affections were demonstrated but in spite of them the patients had recovered from previous attacks of insanity

In dementia pracov castration was performed in the two following groups (1) Where the attacks were repeated infer several deliveries with progressive mental failure (2) in patients with periodic conditions of excitement with the hope of in fluencing this condition. It is too early to pass fudgment on the operations RESCE

Waldstein E. and Ekler R The Demonstration of Absorbed Spermatozos in the Female Rody (De \a hwess reso hierten bermas im abl hen Organismus) || se al || l a a 10 1 x t Organismus) 1630

By Zentralbl f d ges Gynak u Geburtsh d Cres geb The anthors tried to answer the question of what

becomes of the spermatozoa in the female body after cobabitation by means of the Abderbalden reaction They used rabbits as experimental and mals and found thet ordinarily there is no ferment in rabbits blood that breaks up testicular substance But after cobabitation in is animals the blood showed the property of decomposing testicular substance Moreover the same animals reacted positively that had before reacted negatively. This shows that as a result of cohabitation a ferment is developed in the female body that reacts specifically to testicular substance. The same reaction was found in 9 out of to cases during pregnancy but the reaction was not so strong as after cost s conclusion naturally would be that the reaction was brought about in some other way during preg nancy probably through the intermediation of the feetus FRANKE\STES

Von Franque O Pathology and Treatment of Genital Tuberculosis in Women (P 1hology und Th rapse der Gent it berkulose d Uurb g Abhandl d Ge d pr M Med 93

Sy Zentralbi t d ges Gynak Geburtsh d Greusgeb

on Franqué discusses the etiology of genital tuberculous in women and assert that it generally begins in the tubes, while the ovaries are ext acc dinarily resistant to tuberculosis Prim ry steril ity and dysmenorrhors are often results if gent 1 tuberculosis and a yet grater condition : the tendency to carcinoms produced by tuberculosis He then considers tuherculous of the individual genital organs The treatment should be operative either excision of the tubes or radical peration

The question is discussed of the effect on each other of pregnancy and tuherculosis Tuberculosis of the placents is much more frequent than was formerly supposed but communication of tuber culosis to the child either within the uterus or at deinery is very rare and the fact of a congenital predisposition is not satisfactorily established so that it is not instifiable to interrupt pregnancy for the sale of the foctus but it is undoubtedly justi fiable to sacrifice the pregnancy to save the mother Abertion should be considered only when it can reasonably be expected that it will improve the mother's condition. If the tuherculosis is so far advanced that it seems nothing will stop it then the child a welfare must be considered The earlier tho pregnancy is terminated the more favorable the influence on the tuberculosis Care must also be taken that the woman does not become pregnant agun so operative sterilization should be per formed or vaginal amputation of the body of the nterns with a view of excluding the dangerous placental site as suggested by ton Baedeleben J KEEN

Hochne D and B hne K Length of Life of Homologous and Heterologous Spermatozoa in the Female Genital Tract and in the Abdominal Caulty (Uber die Lebe ed uer hom loger und het rol ger bpermatore a werblichen Genitalpparst and in de Bauchhohl) Z 1 lbl f Grade 10 4 Exvis 5 By Zentralbl i d ges Gynál, u Geburtch d Grenzgeh

The less acid in the vaginal secretion the longer the spermatozon retain their motility in the vagina

Is the markedly acid secretion of pregnant animals they lose their motility very quickly so that after an hour no hving ones can be found Human spermatozoa were found to be destroyed very quickly in the supravaginal segment of the genital tract of rabbits and guioea pigs some individual speci mens lived as long as 4 days Even the spermatozoa of the same species mostly ded after 2 days and after 6 days no more could he found at all

The authors conclude that after the third day it is exceptional for active spermatozoa to he found in the uterus There 1 no ground for assuming that spermatozoa capable of impregnation can be found for several days in the healthy tube of the sevually in ture female The spermatozoa probably remain capable of functioning only 2 short time in the tobe at the very most not more than three days The spermatozoa that penetmte the pentoneum generally succumh to phagocytosis and are usually estroyed within from 4 to 20 hours The length of life of the spermatozoa depends on the activity of the walls of the gental tract. The healther the female and the more active the gental macous membrs e the quicker the spermatozoa are de stroved HOLETE

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

McGuire S. Evolution of Treatment of Ectopic Pregnancy S is M J 9 4 of By borg Cynes. & Obst.

The author gives a boot historical alerch of the evolution of the treatment of eclopic pregnate, and also entitizes some of the methods now in your. He review the last fifty cases which have been under his care. Six had recurrences in the tubes remaining—of this he is possit to as he per formed authority preents of the properties of the properties of the properties and product has more had one or more excust as he was unable to locate all the patients in the last.

The author is opposed to the removal of the opposite tobe unless it is obviously hopeleasly discussed thus making it possible for pregnancy to occur in the uterus

Emmil Consett.

ofted to the arrive

Farra L. K. Pt. Int restitul Prognancy: with Report of a Case. PostG sheet 1914 2022 108 B) Surg Gyace & Obst Farrar gives a collective review socioding history citolory course diagnosis and treatment and bibliography of interstitul pregnancy and riports a

tase occurring in his practice n good

Phillips, M. H. A Case of Peritoneal Implantation of an Ovum. J Obs & Grace S of Emp. 9.4 xxv 3t By Sur Grace & Obst

Abdominal accison had been performed on a satient for profuse intraperstancel bleeding. As blood was coming from among the fimbrie of the left fallopian tube this tube was removed Later on careful examination of the tube aboved that the bleeding was due to the presence of small areas of trophoblast and early choroose will astuated at the bases of two of the fimbrise but there was no complete implantation sac On the other hand whemorrhage nodule with o per toneal covering which was excised from the lateral pelvic will has been found to contain an early ovum completely embedded in the extraperitoneal connectl e tusue This peritoneal mass ac ovoid a little less than one inch to diamete was made up chiefly of blood-clot with a serous cont ext riorly More deeply the godul was cov red by lobules of fat and areas of ordematous alveolar ussue Senal sections aboved mathed dilatation of the blood- essels and in the middle portion a compressed and distorted ovum.
Its longest axis measured 1 5 mm. There was no embryome radiment but simply a blastocyst with

the external covering of cyto- and plasmod trophest us maple and multiple layers, and a menolistic core of a poorly staining matrix with occusional stallate cells. The trophobiast and atrons showed localized projections indicative of early villom for matios. The ovum was surrounded by a lacross space containing blood corpuscles and some poorly staining trophobiast.

The tube abouted at the bases of the fambur, a small blood only bearst which were several strands of choronar, will and small clusters of cellular and plasmodal tropholosat all atunage well the author suggests that the fimbrial end of the owns that it has been apparated from the owns and the rest of the nephotation size but has formed a few with sod some trophoblast. This separation provides the second of the proposition of the second of the nephotation size but has retained a few with sod some trophoblast. This separatiop probably occurred some considerable under previous to the hamorrhage which occusioned the operation.

McAllister F J: Ecfampaia I one M J 19 4 xx 436 By Surg Gynec & Obst. Mc Allister relates his experience with eclampsia

and reports six cases.

In the first case eclampass occurred t term and immediate delivery atopped the convulsions. In the second case eclampass occurred during the sixth month of pregonacy. This case was also deliveraand give overstime siter four days of unconsciousness site recovered. The third case was one of clampass two hours after a normal delivery.

The fourth case was a primipara, as mouths pregnant. Her unne was loaded with albuma Pregnant Her unne was loaded with albuma The defired to the general state of the patient deed The fifth case was once of calampta on the noith day. The delivery was normal said at dard in again of a unique to the control of the control

Cerecedo, M The Most Effecti e Treatment of Permicious comiting (Bu warksamste B handlung unstallbare Erbrechens) S pl Med 9 3 in

By Zentralbl f d ges Gynal, u Geburtsh d Grenzgeb

Se en cases the had been treated without effect by other methods reco ered rapidly open the administration of dresals to drops of a root solution two reduly by the mouth aubentaneous nijectule was not necessary in any case I o one

case to to so drops of a 1 per cent cocaine solution helore each meal was a valuable auxiliary treatment and where there was serious loss of atrength aucleoarsitol was given one injection daily for ten days repeated after a week s pause

Vomiting in pregnancy as well as eclampsia is instigated by the ovum but its primary cause is probably an insufficacy of metabolism in the liver and secondarily in the kidney from intestinal intoxication therefore diet is an important prophy lactic treatment for both conditions A milk and vegetable diet should he given Bowel movements should be kent normal by choisgogues such as rhubarh cascare and calomel MICHARL

Schüpbich A i Pernicioux Anamia in Pregnancy and Labor (Uber permisse Anamie in Schwangerschaft and Wochenbett) Cor Bi f schweis Arti, 1915 xim, 535
By Zentralbi f d ges Gynlik u Geh rish s d Grenzgeb.

This disease is often observed where pregnancies

follow one another too quickly and factation is prolonged It is distinguished from cryptogenetic permissions aniemia by the fact that it is cureble A constitutional factor is the cause of it perhaps also an insufficient formation of antihamolysius for the synthesis of iron that takes place on the surface of the placenta under the influence of the syncytial plasma

The decrease in iron absorption in the second half of pregnancy points to the formation of antibamoly sin The morbidity among pregnant women is 0 15 to 0 22 per cent. There is exhaustion yellow ish pallor ordema dilatation of the heart heart murmurs often premature delivery after which the mother's condition grows worse The mortality according to the Italians is as to so per cent ac cording to Payr 100 per cept If anyma appears shortly before delivery the prognosis is bad if during the puerperium better The infantile mortality is due to premature delivery

Kohimann W The Grearean Section in Ante-Partum Hamorrhage V Orl W & S J 914 lz 1 655 By Surg Gynec & Ob t

kohlmann states that in cases of central or lateral pl centa præsia pregnancy bei g at or neur term the l ing child the mother in good condition the cer ix losed or only slightly diluted cesarcan section should be the operation of choice

The author cites a case of centrel placenta pre 18 which hopereted The mother and hild left th hospital on the m th d y 10 good condit on

In prem ture sepa ation of the placents re obe 91 placents the author iso ad ives section lle report a case of this kind which he operated opon with e ell nt results. The hemorrhage in this c e heg n after a coughing pell near full term nd could not be stopped by tampons in this c e piuntin was given as a hamostat e just bef re th uterus was opened and ery I til blood wz lost CAY

Maclaren A and Daugherty L. E. Intraperitoneal Hemorrhage with Special Reference to Harmorrhaga from Ruptured Tubal Pregnancy 11/2 morrhage 1100-12.

St Paul H J 1914 xvi 137
By Surg Gynec. & Obst.

The authors call attention to the fact that intre peritoneal hemorrhage resulting from trauma direct or indirect is of frequent occurrence. Also that the amount of force exerted by a blow on the abdomen and the visible signs of injury are no index to the damage done to the internal organs. Direct violence is not necessary for cases have been reported where a simple muscular action has produced a rupture of the liver or spleen

Of the solid viscera the liver is most frequently the site of a tear Crushing injuries are perhaps the most common Tilton reported 365 cases of in funes to the solid viscere Of this number 180 were of the hver and 176 of the spleen kidney and pag creas Il amorrhage from the hver is best controlled

by packing the rent with gauze

Rapture of the spleen follows next in frequency after the liver Many of these cases show previous disease of the spices Not infrequently if happens that the capsule itself is not injured and while the laceration may be of great extent yet the blreding into the pentoneal cavity will not occur until the capsule ruptures from internal pressure. In such cases the diagnosis is extremely difficult. Ropture of the spleen requires its removal and this may be done without hesitation

Rupture of the pancreas or injury to the mesen tene vessels while not so common do occur and

should always he considered in making a diagnosis Probably the most frequent caose of intra pentoneal hamorrhage is due to some form of exfre utenne gestation The causes of ectopic gestation are theoretical to a very large extent. The la flammatory theory of Tast and the mechanical theories are given none of a hich are salisfactory

Immediate operation except in the moribund cases is advised and any dilatory procedures are characterized as dangerous

The question of the removal of the tobe in these cases is sometimes very important from the stand point of the patient and will have to he determined by the cause of the abdominal pregnancy and the danger to the woman's life At all odds it should be borne in mind that in certain selected cases it la justifiable to leave the tube thus giving a ray of hope to the woman that she may again conceive

Wh n a pelvie hamstoma has formed and there are no further s gas of harmorrhage at should be let alone for it will be absorbed in time If the hama toma becomes infected and goes on to abscess formati n a post vaginal section should be done and draining inverted then if necessary a laparot omy should be done later when the previous vaginal drain will be in the best possible position and will assist ery mat rixily in the ultimate reco ery of these very hal cases.

I report to given of 54 ect pie gestations treated

by the authors in the last 22 years. Out of these gyr

by the authors in the last 22 years. Out of these 55 cases 6 died, giving a general mortality of 12 per cent while in the last 11 years 35 of these 55 cases were treated with only one death

HARVEY B MATTERWS.

Boero, E. A. 1 Treatment of Hamourhags with the Placents Located in the Lower Segment of the Uterus (Behardlung der El tung beim Sitz der Placents auf dem interen Uternsegment) Ker Sec. med argeit Burnos Altres 19.5, zm. 615. By Zentralbi. L. d. gm. Uyask. a. (Beburts). 4 d. Grengerb

Together that the support of the sup

service by me asserved placents per destructed as servicial by me author's dance them set possible servicial by me author's dance them set possibly services by sears, a deed of acuts anemas—7 22 per cent—and two of indication—5 po per cent Two of the former had almost bled to death when they came in, so that only one death can result be accredited to the clinic—1 25 per cent The morbidity of the remainder in the propersions was a per cent intendition of the contractive power cent among these as other to the clinic deed and diven a very senous condition to the clinic deed and diven a very senous condition.

aq died in the chine-36 per cent-and 24-30 per

cent-survived After reviewing the various surgical and obstet neal methods of treatment the author comes in th following conclusions (1) The ease with which the cervix can be dilated in placents previa indicates that the natural route should be utilized in its treatment (a) The low maternal mortality when treatment is undertaken at the right time does not ustify ensarean section after the beginning of abor nor premature delivery (3) By good obstetrical training the mortality of three-fifths of the cases due to active interference and infection can he lessened. (4) Complications of placenta pravia may demand casarean section (5) In central placents prævis the technical skill of the abstetrician abould decide the question (6) The prophylactic treatment of abnormally situated placents should consist in sending the patient at once to a hospital which would lessen both morbidity MICHAEL and mortality

Kreiss, P. Heart Disease and Pregnancy (Herzfehler und Schwangerschaft) Zentralbi. J Gynék 19 3 zutvu, 203 By Zentralbi. J d ge. Gynák u. Geburtah, s. d. Grenzych

Heart disease is only rarely made worse by pregnancy From 1903 to 1912 at the Dresden gynecological choic pregnancy was artificially ended on account of uncompensated heart lessons only 36 times, 1 per cent, among 23 577 delivenes and abortions Of the 36 cases 4 died

The coincidence of heart disease and nephratus a repectally dangerous but there as no absolute nediction for the interruption of pregnancy First absolute rest is necessary then treatment according to the rules of internal mediane with digitals, caffine anaphor adrenatin, and slephol. If codem and serous effusions do not datappear and congestion, secrecially of the kidneys ramon the overcome the

abortion is indicated.

If the heart datease is very severe or comband with other services densies the preluminary attempts to avoid abortion may be constituted. The preliminary attempts to avoid abortion may be constituted. The preliminary attempts to avoid abortion may be constituted in the preliminary attempts to avoid abortion may be constituted in the preliminary attempts and the preliminary attempts attempts and the preliminary attempts and attempts and the preliminary attempts and attempts and attempts and attempts and attempts attempts and attempts attempts and attempts attempts and attempts a

Jaschka R. T.; Prognosis of Diseases of the Kidney in Fregnancy Especially in Women with Heart Disease Arch J Gyall 19 3, 0, 395 B) Zentralbi f d.ges Gyall Gebutsh d Grenzeb

Only those Judary diseases are of Importance that are accompanied by an increase in blood pressure and therefore make greater demands on the heart. The acute form of the so-called had by of pregnancy above hithe or no increase in blood-pressure and is amenable to treatment it places practically no burden on the heart. The chronic form on the other hand makes prest defended from on the other hand makes prest defended from the contract of the present of the cares echange a thrustens with its enormous demands on the heart. It is offer difficult in deced whether it as ease of disease of difficult in deced whether it as ease of disease.

ush there of prepanery, it at chrone emphrica. There are forms of the batter of prepanery that are almost impossible to treat the pressure going as high at 310 m 120. These kindery affections are almost as hard on the heart as chrome contracted kidney its work as on normously increased their even a previously anomal heart may ful. The situation is especially dangerous in pregnancy if there is a combination of heart and kidney disease. The prognous depends on the condition of the heart muscle. In any cas it is a very zeroou complication and the author recommends in all cases of pregnancy in women with a very strong and the condition of the present present the pregnancy has been a cased of pregnancy in women with a present the interrupted and so by lessening its wo kget the heart its only thance.

Schenek, B R Polmonary Tuberculous and Pregnancy J Muck St M Sec 9 4, nm. 57 By Surg Gynes, & Obst.

There is by no means a mammity of opinion regarding the treatment of the pregnant woman

afflicted with pulmonary tuberculosis At the last International Tubereulosis Congress the most variant views were expressed some holding the older idea that it is best in most cases to allow the preg nancy to continue others stating most emphatically that radical measures should be taken to end the

It has been estimated that there are annually in the United States from 22 000 to 44,000 toberculous pregnant womeo It is probable that there are anoually in the state of Michigao from 7no to 900 pregnant women who have active tuberculosis

In considering the propriety of therapeutic abortion a sharp distinction must be made hetween those patients who have a quiesceot or a healed lung lesson and those in whom the process is active A failure to make this distinction accounts to some extent for the differences of opinion which heve been espressed Moreover the history of a healed lesion or the assumption oo insufficient grounds of present trouble has far too frequently been used as an excuse

for terminating a pregnancy Spootaneous abortion rarely happens as an effect of pulmonary tuberculous It occurs only in the case of patients prone to miscarry on account of extensive lacerations where the added strain of coughing is adequate to bring it about or where there is sufficient toxemia to cause the death of the fortus. In the vast majority of cases the child des clops normally and reaches term comparatively unaffected Such children should be separated from the mother immediately after birth oretically healthy children may be born of tuber culous mothers and if properly treated live to adult lile Practically however this ideal is not reached for Ziekel reports a mortality during the first year of such children of 58 per cent Diebel 78 per cent Weicherg 78 per cent Pankow and Kupfeile 54 5 per cent

The effect of pregnancy on the pulmooary lesson If we will go over the histories of a number of sanatonum patients, we will find that 10 many cases the active trouble is dated back to a certain preg nancy or puerpenum At the present time the we ght of authority favors the view that pregnancy affects pulmonary tuberculosis unfavorably Pro-

phylaxis is therefore most important Pregnancy having takeo place each patient must be carefully studied and each case judged according to all the circumst nees. It would appear that there is now sufficient justification for therapeutie abortion in practically all cases of active tuber culosis With our present knowledge of the subject there is no justification in any but the rarest cases f r either the operative sterilization as ad vocated by Schottelius, Bacon Schauta Hochne and many others or f r the X ray stembsation supported by Gauss nor does it seem right either to remove (he uterus and ovaries championed more particularly by Martin or to vaginally excise the fundus of the uterus and the placental site recom mended by Bardeleben.

Gardner W S Fibroids and Pregnancy Three Cases. Md M J 1914 lvu 56 By Surg Gynec & Obst

The first case reported by the author was operated early in the third month of pregnancy and an ovoid fibromyoma measuring fifteen by sixteen cents meters removed The tumor was attached by a short but narrow pedical to the uterus near the function of the body with the cervia. This patient went to term and was delivered of a nine pound boy The tumor in this case was anterior to the pterps and would have interfered with the rising of the uterus

The second patient had a Shroid tumor which almost filled the true pelvis. She was allowed to go to term when a hysterectomy was performed after delivering a nine pound child by casarean section

Io the third case the fibroid was located in the lower segment of the posterior uterine wall There was no dystocia, as the tumor was above the hrim of the pelvis. This patient was delivered normally She had a submucous fibroid removed a year before she became pregnant C II Davis

LABOR AND ITS COMPLICATIONS

Garrett & M. Management of Labor in Cases with Relatively Contracted Pelves Gynet & Obil 1914 ш 388 By Sure: Gynec & Obst

The following questions were sent by the author to a number of obstetricians and surgeons

I Number of cases observed? 2 Where you have charge of the case primarily what method of treatment do you prefer?

3 Do you coasider the high forceps operation justifiable? 4 Io cases that have been allowed to go to

term and cannot be otherwise delivered do you prefer cesarean section or publistomy?

Which operation has the greater mortality? What has been your experience as regards union of the bone after publictomy?

Including those observed by the anthor 2035 cases were reported

Practically all agree to the high forceps operation

under certaio circumstances Replying to question 4 four obstetricians rep resenting 305 cases prefer casarean section Four others representing 2,630 cases prefer publictomy under certain circumstances. The majority say that casarean section produces greater mortality Umon of the booe after publotomy is satisfactory in nearly all cases. It is more frequently fibrous than bony

The author recommends I Premature labor at or after the thirty-sixth

week a Casarean section, if not seen until term but before infection and exhaustion heve taken place

with conjugata vera under three and one fourth

3 With a conjugate of three and one-fourth inches or greater mother and child hoth in good condition and the head can be made to safer test of labor followed it necessary first by forceps second by pulnotomy

Uljanowsky L. W Hamatomsta of the External Genitulia and Vagina during Delivery (Zor Labre der Hamatom der Busserne Geschlertungsac u Vagna wahrend der Enthindung) Eitels f gib ikk Gjalk och zwis, 1750 Ery Zontralbi t d. ges Gyask u Cebarus s d Gernagab

The author describes a case of large hematoms of the anterior will of the sagna with secure hemorrhage in a 19 year-old prumpars and asystem that such hematomate of the gestlakin and vapon are rare—z 2000. They appear offener in the values than in the vapon. The citology is not known with certainty. Whenoverly gives as continuously cause quiet delayer changes in the vessel such as vances and changes in the blood in disease of the hadney. Gonzarro.

Crump, V. G. Fitzpatrick, G. Hustoen G. A. and Richards R. M. Symposium on the Conduct of Normal Labor. J. Am. I st. Homes) 1914, vi. 695. By Surg Cynec & Obs.

Carrier emphasizes the necessity of carefully instructing girls as well as boys in gymnastics in order to better the future generations physically Hie believes that the state should prohibit mar mages of souths ander se to as seurs of age Gestation earlier than this is not only more dangerous to the mother but the child mall too often a weaking The essentials of homemaking should be taught in the schools as well as the home. The physician should consider more carefully the physiological aid pathological processes taking place in the female organism and by a better understanding of the normal try to work out soms belptul rules of procedure to entrect the abnormal Contra y to the preconceived ides and teachings of physicians of the past and even to-day the aterus does not he normally in a constant position of immobile ante-denon. It readjusts itself to various threes brought to bear upon it. It gradually comes to assume an incorrect position from faulty pelvic inclination or the transmission of abnormally created forces These forces should be thoroughly understood in order that developing garls may be so counseled that they may continue in health as they grow in stature and round not into the fullness of mature development The question of faulty bodily pos ture is discussed and recommendations made for overcoming it. The author dwells on constipution and suggests that the stool now in the should be discarded and one much lower employed

FITPATRICE emphasizes for essentials in the successful practice of obstetner wire proper mental attitude on the part of the physician every preparant woman should be regarded as a pathological case every obstetness case a surgical case and

finers and coupment Under these headings is discusses the subject. He believes the mean attitude of the physician should be that of every leading consideration for the patient he should be constantly mindful of her condition. He should be constantly mindful and the should be should be

The physiology of pregnancy borders so cloudy on pathology that at times it is difficult to any when the one has overstepped the other therefore every pregnant woman should be considered a pathological intity. Obstetries as surgery according to this anthor. A surgest conduct exists where there is the letting of hiood. Where there is the letting of hood there has no open wound which a hable to become infected. Regarding the fitness of a physician, Fitzpature states that no man after graduation and attendance on a few bundred cases of obstetries should assume that he knows a shall be about the subject that it most work of the complete even to home deluvene is strongly urged. The article was ably ducuised by several members.

Horzoox takes up the care of the preguant woman emphasium (that prevention is the essential feature during this period. The patient should be seen every four weeks during the first seven months and at least every two weeks during the last stondle of pregnancy. Personal hypone delaning deder and the care of the appeles are then discussed. RICHARDS descusses the care of the patient during

RUGARMS discusses the care of the patent during the purpersum emphasizing the importance of thorough classing of the vulva after delivery with some entractive notionen, and the placing of a cotion pad over it. Lacerations abould be anought and repaired. The interns abould be carefully related to The indiscriminate use of argoins is commed. He does not deem the abounds all underessential to every case—only where the abdomain hand essential to every case—only where the abdomain wall is greatly related. The Leatment of the pairs the defer the care of the apples and the pairs the deft, the care of the apples and the registration of the howels and hadder are than the pairs the destruction of the control of

PUERPERIUM AND ITS COMPLICATIONS

Vancberg H N Septic Puerperal Infection Diag nous and Treatment C and H Ast J 914, v sor By Surg Gync. & Obst.

The author states that anitures ahmid be made in every case of suspected purperal infection but he does not place much confidence in these findings, because of the fact that a non hemolytic streptococcus may revert not the hemolytic variety and less torus He believes that temperatures should be taken B : d. per rectum in all cases and that when fever is found an immediate acareh should be made for the cause

If the borel is full of feeal material obstructing drainings from the uterus it should be emptired after which the temperature will usually return to nor mail \ \text{ cartful examination of the perineum and generative tract should next be made attures cut if necessary and ony team to the cervis cartfully gone over If nothing is found the uterus cartfully gone over If nothing is found the uterus cartfully gone opionoo op per cot of pumpireal infection a tabe authors opionoo op per cot of pumpireal infection a tabes to

the uterus from placental remnants. When remnants are found the author believes in a mechanical removal by the curretie or some interms and verystremously deagered with Valtiess method of packing the uterus thus causing it to contact and eaged the contents. Uncher pulsers this prevents free drainage and may cause a general idea dinection. After curreting the usually irregaters the oterus with a west soone solution nr 30 per cent alcohol and then lets it alone. The currett abould he oved only when plarental remnants are palpated by the fooger.

In east, of thrombophlebus the author thusks that the important of agnosite signs are the great range of the temperature 5 to 6° and the steady pulse 50 to 10. He has bigarded the affected verus in one cases nod thinks the best results are inhanced when a total hybrecterion; is abo done. The author advises hysterectomy post partium in car as where there is an infected sulmucous fibroid or in purulent metritis. In his experience only to per ent of each send surgeal interferoce. In a L.C. as

Trangett M: Eriology and Prophylasis of Endogenous Purperal Infection (Uber de Airologe ad Prophyla & der Ladogenen pur pe al a laftinon) 7 h 10 f G 28 g 3 m u 35g B) Zentralb I d ges Gyak u Geburtah d. Gerangeb

A report is given of the systematic bacteriological examination of the vaginal secretion of 1 994 preg nant women 1,851 nl whom were delt ered spon taneously 75 by manual estruction in the breech position 68 by operation through the aiural route Those who had an autilary temperature of more than 38 during the puerperium were as follows Of the spontaneous dru erres o 57 per cent without trep tococci 8 53 per cent with n n hamolytic streptn couch n i per rent with hamolytic streptococci of the lirrech prese tats as 10 71 per rent without streptococ i 'S' pe rent with non hemolytic t no e with hamolytic streptococci In operatio s by the natural rout 25 pe cent were without Irepiococci 17 14 per cent w th non hamolyte tr proceed and one patient with hamobue streptococci hal a rise of tempe tur noe day

Ill of the w mrn with the areption of those who wer drit treed by peral o w re examined only per rectum with sterile gloves. From this it appears that i the prognous of the parperium of

pregnant women without fever examined only petrection in as a matter of indifference whether there on a streptococci to the spinal secretion before the streptococci for the spinal secretion before the streptococci found make only difference. The streptococci in the vaginal secretion of pregnant women play a very subordioate part as compared with other factors.

The author doubts the value or necessity of Zwaifel and Schweitzer's impatinos of the vagina dining pregnancy with 5 per cent lactic acid, as there was no difference in the puespeni morbidity of pregnant patients with streptococci who according to Schweitzer should have been treated by this method and those without I fosufficient lactic nead urngations seem to increase the morbidity during the pureprism for Schweitzer had as per cent morbidity among such patients. Even the disappearance with the strength of the strength

Montgomery E. E. Puerperal Septis and tha Present Methods of Treatment Pe n M J 1914 zvu 415 By barg Gync. & Obst.

The author emphasizes the importance of making a correct diagnosis of sepsis and determining the porturular forms of infection t e supreme or septic. The use of the curette is discounged because it

opens oen avenues of infection Decomposition products may be removed digitally if there is no personeal nor penuterine inflammation. The occasionally nourishment should be of the highest nutritive value with as bittle waste material as possible elimination is primoted by the continuous sastillation of sait water per rectum and toe kent on the abdomen to haut the extension of the to Cammation and facilitate e aquation of the uteros by inciting muscular contraction. Hot fomenta tions are substituted for ice in the later stage to hasten absorption of the eaudate Pus necumulations are e a uated surgically if necessary Medica tion : gi en hypodremically as far as possible to at id disturb g the alimentary canal strychnine errot and atronuc as indicted

I firsh ant aireptococcic serum in initial doses of in to 20 cubir rentimeters and 10 cubic centimeters even to be lours for two days is advised until ts efficie co 1 letermined

The reasons as that (f) "the diagnous of purperal seps settableded the aim of treatment must be consernated in the total force through rest of hoross feeding attumulation or through rest of the settable of the contract of the settable the intell gent promotion of finements." The employme to the currette and outer a terms of the ment is a consistent with the above con-deritten (s) Ferum g in fresh and to good quantity and is also. The adountaristion of stock vaccious should be condemord. The value and place of the air

togenous vaccine is yet to be determined (4) Snegery except for draininge in suppurative personitis should not be employed in the acute stages. The localization of the infection may later necessitate increase for drainage or resort to sacrificial operations in volving tubes ovaries and eyeo uterus

D H Boyp

MISCELLANEOUS

King, W W The Serum Reaction in Presnance nd Cancer by the Consulation Method . Obst & Cynec Best. Emp 1913 Ent 296.
By Sorg Gynes. & Obst

The technique amployed by King is essentially that of Abderhaldeo His conclusions are as follows

The test is positive all through pregnancy s It may be negative in pregnancy in tha presence of severe septic infection.

3 With certain limitations it is possible to diag nose carcinoma and sarcoma but not to differentiate them from pregnancy because the ferments are not absolutely specific

4. The coagulation method is useful because at does not require special apparatus it avoids the errors associated with faulty dialyzers and it is not so susceptible to slight hamolysis of the serum This method however requires at lest o hours incube tion and the use of o 3 ccm of a 1 per cent solution of mahydem in order to obtain positive results in pregnancy CAURY CULBURYON

Faught F A: Significance of Elevated Blood Prossure in Pregnancy J Am M Ast., 9 4 km 518 By Sure Gynec & Ont

The author calls attention to the fact that high blood pressure may occur in pregnant women with out any concomitant signs of toxismia just as is seco in chronic kidney cases. These should be separated from the pregnant cases showing even a moderately elevated blood pressure accompanied by some or all of the familiar signs of toxerous of pregnancy The former need special watching but they should by no means be looked upon as subjects for surgical inter ference. This todicates the importance of careful clinical observation in addition to blood pressure studies In this connection the unite will often but not always, serve as a valuable guide

In toronia cases, the gradually rising pressure the perustent pauses the head paus and the characteristic urmary findings all point to an acute and progressive condition Two illustrative cases EDWARD L CONSTILL are reported

Nebesky O Caput Succedaneum (Bettrag sur Kenntna des Caput uccedaneum) Hemeisch f Geburich u Gynsh, 9 3 xxxvun, 555 By Zentralbl. f d. ges. Gynsh Geburich s. d. Grennyeb

A 37 year-old IV para after seven hours labor delivered a child with an enormous caput succedaneum sie em m beight ay em in circumference and 6 to 7 cm in diameter It was surrounded by a marked groove due to compression. It had almost disappeared at the end of last days and after the days the necrotic tissue was completely cicatased The author believes this abnormal swelling was due to the internal on the circular muscle and connective tustue bundles of which act as an unyielding ring or the presenting part of the child and by its needet causes injury to the ussues even when the pains are weal because of the long duration of Isbor acquired rigidity of the tissues he thinks, is due to chronic metritis MORALLES

Gluffrida, P A Plea for More Pelvimenty J Red M' d rors in 542 By Surg Gyner & Obst

The aothor makes a atrong plea for the greater use of the pelysmeter. In companion he calls attention to the fact that curpeoters who do good work will not trust to luck. They employ caliners and measurements before cutting lumber while many physicians guess the pelvic measurements of a woman who is about to undergo a hard ordes! It is impossible to know what will occur where so many possibilities exist expecially in primipare. Any one practicing obstetrics regularly will some day meet with a badly contracted pelvis and if measurements have not been taken, it will be greatly regretted Every woman should be measured The pelvimeter is not an expensive instrument and takes up but little room EDWARD L. CORYELL

Dyin T Papertmental and Clinical Study of Air Embolisar in Obstetrics (Die Luitembole is der Gebortshiff Experimentell klausch Untersuch-tung) Arch I Grade o 3 et 273 By Zentralbi I d. ges Gyani, u Geburtah s d Grenzeb

From experimental and chrical study the author doubts the correctness of the theory of air embolism in obstetrics - at any rate it seems to be greatly exaggerated -and is not so certainly decided that it should be accepted nithout further investigation Each case should be subjected to searching analy

The same rules must be followed in all cases d every autopay in a suspected case of air embolum must be carried out in the same way the blood vessels leading to and from the heart must be lighted separately and the lungs and heart removed The heart cavities, the pulmonary arteries and their branches should be opened in a deep vessel under water after ligation of the arteries and wish ing out of the sir vesicles on the surface. In this way attention will be drawn to the way in which the air is expelled whether as a thin emulsi o as losm art is triping as bubbles. The amount and kind of air in the pulmonery artery and the intensity and extent of the pathological charges in the lungs must serve as a basis for the post mortem disgnosis of air [AEGER.

Oppenheimer H. Pittutrin in Obsestrice (Pitutan us der Geburtshife) Arch J Great 9 3, ct 501 By Zentraibl I d ges Gyngk a Geburtsh a d Grengeb.

In the course of a year and a half 400 cases were treated Pitust in and pituglandol were used subcutaneously and intermuscularly generally in does of to a cem, no difference could be noted in the effect of the two. The indication for pituitin is weakness of the pains toward the end of the first and during the second stage. Labor can only occasionally be induced by pituitin Several in jections of pituitin do not harm the mothers the office of the pituitin several in jections of pituitin do not harm the mothers the office of the pituitin several in jections of pituitin do not harm the mothers and postarious delivery in 80 per cent—to per cent of the case and brings about apontaneous delivery in 80 per cent—to per cent of talures must be counted on.

to per cent o tanger manufacturing managers and property of the per cent of th

Schnelf F The Treatment of Ourcomblects In the Last F freed 1 eats, 1878 to 1912 (Die Beha dung der Outcombliche in den letzt 5 Jahre 853 ba 9) Zi h f Geb rih n Gy ak 9 3 laz 179 ByZe Italia I dge Gynal u Gebutsh d Grengeb

The author's work is based on 334 cases of osteomalatan from the hierature of the past 15 years. Of these 37 were treated with phosphorus 103 by castration among which there were 7 recurrences 36 with adrenalm 16 with pututing 1 with antityly routin 2 with the mulk of castrated goats 6 with routiner naise.

The research of recent years has rejected hyper function of the ovary as the cause and substituted for it the conception of changes in metabolism from the action of the ductless glands. The relation of the hormones in physiological chemistry is not yet clear and therefore there is no really relation method in the treatment of osteomalica. Castration offers the fewest bad results and as much to be preferred to the treatment with hormones adrenatin puttinin, etc. (240, was

Yon F tienberg R and Dolf A Biotogical Relations between Y there and Child (Uber de beologische Beach v. wich alt tier and hind) By Zitch f Geb ri h G at 913 lex 85 Zettal I d ges Gyank C burtab a d Gerungeb

In order t determine the relations between mother a de held the uthors exams of the blood of th mother the umbitical cord seroms the blood of the held shortly firer hirth and also when possible several m nths later and be the mother a milk o the several by the deleter med the series of experimen site they determined the gafut

natung power toward different bactens and then tested for the presence of normal hacteriolytic substances and compared them in given quantities of serum they also tested for the content of hemangightunns in the blood-cells of rabbits. The result was that they found a marked independence of the child from the mother the child shody at birth forms normal antibodies independently.

Raubinschek, II The Relation of Maternal Discases to the Organs of the Fortus and New Born Child (Über Benehungen muterichter Erkenlungen eu den Organen der F ten und Neugeborenen) Bei a pal A al va allg Pals 1913 [345 PyZostralb] I dge stynak u Geburtah s d Grenzgeb

By Zentable I d ges Gynax w countries a d crenage or The author has endeavored to determine under what conditions blood porsons of the mother are traosimitted to the foctus and cause the same or sum lar organic changes as in the maternal organism

In two cases of celampans there was serious disease of the feats h et and kidneys with numerous hemorehages in other organs and in a case of chrome parenchymatous nephritis in the mother there was acute giomerulonephritis in the child but in a child bose roother had the typical kidney of pregnancy which is a purely degenerative process there was no disease. I other experimental part of his word, the author times to confirm and extend his human findings by summal experimentation.

Icterogen was used as a liver posson and its effect on the mothet and focus studed with the result that the liver of the mother could be senously diseased a thout that of the fectus being affected in all. This is probably due to the fact that the whole mass of icterogen was anchored in the mother a liter and did not get into the local circulation. To test injumes of the kidney the author used.

abouts injuries or the kinney the author used substitutions injections of uranium intrate and succreded in astrones of experiments in affecting the kindeps of the fortns as well as those of the mother At any time substances are formed as a result of the uranium 1 jury to the mother's kindings that are absorbed pass through the placents and have a absorbed pass through the placents and have a chost effect on the feetal kindings. Kaoor

Inset J Prophylania and Treatment of Inflamma tions of th Tye in th New Born (Prophylane d Therapi der Jugenestzindung d Seugeborne 1 Ores 148 10 at 114 167

borene) Orro kép 10 3 m 467
By Ze traibi i d ges Gynak Geh rish a d Grenzgeb
At the ophthalmological clime at Kofozsyar in

the last five years 45 or 112 per cent of the foliants were treated for gonorehoa According to the author's expenence than crused unlateral blundness m 56 per cent of the cases blatterf an 17 per The gonorect must be demonstrated if there are atterptioneer also in the secretion the danger to the eye at all greater to the contract of the contract of the secretion the danger to the eye at all greater the secretion the danger to the eye at all greater the secretion the danger to the eye at all greater the secretion the danger to the eye at all greater the secretion the danger to the eye at all greater the secretion the danger to the eye at all greater the secretion that the secretion the secretion that the sec

In premature burths twins and poorly nourished

infants the disease is more dangerous. Prophylactically sifter acetats is used but that is not ansierent The mother must be told in order that

she may protect her future children

The eye treatment must be kept up persistently For the first few days cold compresses should be applied several times a day and irrigations with three per cent boric acid or potassium hyperman ganage if the cornea is threatened lodine trichloride 1.4000 should be used. If there is infiltration or ulcer of the cornes the lid should not be anserted in mrigating. If the corneal ulcer is centrally located atroune should be given if it is peripheral pilocarpine. In prolapse of the une pilocarpine is dropped in a pr. 3 mmes daily If there is a nonprogressive infiltration of the corner dionin is used either in the form of powder or as a 3 per cent salve. Good results are often obtained with 1 to a per cent collargol salve. The disease generally lasts from 4 to a weeks. BOGDALOVICE

Gloerer W: Effect of Obstetrical Depression of the Skull on the New Born Indan and In Boddy Development Gum Ending der Schlei-impresion ut den Neueborenen und seno Ebr periche Entwicklung) Ziteler f Geberith w Gyald to 3 leve, int By Zentralls I d. gen Gyald. Geburtsh u. d. Grenngeb

Glocrer objects to the operative treatment of

depression of the skull which has recently been recommended by various authors. His advocates a thoroughly conservative treatment and objects even to manipulation of the skull in replace it or to drawing it out with a confectew especially if there are no cerebral symptoms, as in that case it cannot have any sflect on the later bodily and mental development of the child

The good results obtained by various anthors show that the procedures mantioned above are not espetially dangerous But even when there are cerebral symptoms they are not amenable to surgical treat ment He reports 6 cases from the Warsburg clinic since 1805 and so none of them were there symptoms, such as convulsions and spasticity to indicate local hemorrhage even autopsy did not show injury in the bones or diffuse cerebral hemor rhage so that surgical intervention could have done no good

Durham R. Obliterating Cholangitis Associated ith Homorehage of th New Born Leng Island M J tg 4, vut, 9 By Surg Gynec & Obst

The author briefly reports a case of this condition as follows The babe a boy was delivered normally and weighed seven and a half pounds. The family history was negative. Three other children born antoty was negative time cause differ cannot been to these parents are living and well. The baby appeared normal t birth. On the second day be was markedly jaunched but the stools and winne were normal. He unused normally every tan hours.

On the third day the icterus was deepening and the cord dressings were markedly stamed with bile. On the fourth day the haby was fretful in the morping the bowels moving five times with black stools The unne stamed the uspkins green. In the after moon, while nursing he was seen to become need for a moment and three drams of blood flowed from the nose The temperature was 90 6° respirations normal, but forced there was some bloody mucus in the throat the pulse was small and about 130 the pupils were equal. The haby was in a stupor Examination showed a few rales at the base of both lungs Three hours later another hemorrhage appeared from the nose and month. There was no cyanous Death followed

The post mortem findings showed deep jaundice of the conjunctive and skin Rigor mortis was marked. There was a large harmonthagic area on the forehead All the internal organs were deeply jaundiced. The stomach contained several drams of blood. There were numerous adhesions about the sall bladder and ducts duodenum and pancress. About the gall-duct these adhesions presented a matted appearance. After careful dissection the gall-bladder was opened and 20 drops of bile-stained mucus were found in it. The gall-ducts were identified as tiny threadlike tabes through which a very fine needle could be passed with effort. It appeared that these ducts were not functionating The h er was not markedly enlarged

EDWARD L CORNELS.

Mosbacher E (Illulen) and Experimental Study of the Effect of Thyroid Substance on Labor Pains (Almach-experimentales Beriefles sur Frage Thresodes bad Webentitubert) Zische f Geb sich Gradh orz izw 365 By Zentralbi f d ges Cynth u Geburnh. s d Grenzeb.

Experiments were made in feeding thyroid substance to an pregnant gumes puss and a cats, with the result that all of the snimels except two aborted. This may be attributed to its effect on the fortes n to a direct action on the musculature of the uterus. To solve this question the effect of thyreoglandol, prepared in the same way as pringlandol was tried on the uterus of the rabbit after previous experiments had shown there was no cardiovascular effect Many of the experiments were negative but same show d that thyreoglandol can cause contractions

It is worthy of n to that preparations that did not react t first reacted after the addition of very small amounts of ad enalm. This confirms the hypothesis that thyroid sutract and adrensia act antagonistically Experiments on women showed that there was a strengthening and increase of the when adrenatin was added in 7 cases out of as but that I had no practical affect in hastemng the KERMAUSER. deh erv

GENITO-URINARY SURGERY

KIDNEY AND URETER

Oliva C.: Variation in the Adrenalia Content of the Supranenal Capsules after Different Annesthetics (Variation du contenu en adrenaliac des capsules surrénales prés l'acethése) Lises ch 1914 at 11 By J unail de Churugie

The work in Wissel and Hornarski abroad and of Ferre Delbet Herrenschmidt and Beauvy in France has shawn the anatomical and functional changes produced in the suprarenal capsules by anesthesia and especially by chloroform. Our takes up this study snew in experiments in the dog, companing the action of chloroform and ether

In his first series in experiments Ohs a found that he adreains content was much higher in etherized anmals than in those anisathetized with chloroform the amount being double and sonetimes even more. The difference was found in animals that died moder the anisathetic and in those balled at vanous periods after the end of the anisathetis it went on increasing propersively at the twelfth hour the horized propersively and the twelfth hour the lated degs while it remained very low in the otherformed more.

These results confirm the prolonged and late effects of chloroform while the effect of ether tops very quickly after the end of its administration

In a second group of anumes the author give an injection of morphase before the auxsishess. The dogs killed four hours after the annethesia was administered had a much larger adrenain content after chloroform than after ether on the contrayal for the contrayal adrenain content after ether on the contrayal adrenain content after etherization and a very low me after chloroform it seems therefore that mor phine does not appreciably change the effect of either in the supracerula while it temporarily suspends the towic effects of chloroform but there effects appear aft it the morphine is climinated effects appear aft it the morphine is climinated.

In a thrd sense of experiments one appraiseral capsule was removed before the admussitation of the nestbetic and the other one aft rearis so their adrenation content could be compared A great decrease was found whatever the anesthetic employed there being no appreciable difference in the effects I chlomif rm and ether There rasults are less calcius for the traum tum due to the first capsulctiony m as be taken into secount. The not tool animals sho were not a satisfaction of the content some hours after the notice of the content some hours after the content some hours after the content some hours after the content of the same and the content of the same and the content of the same and the same content of the same and the sam

Brooks H Hypernephromn with Long Standing Symptoms of Adrenal Deficiency with Scieroderma and Scierodactylla. J Cut Dis 1914, XXIII 191 By S rg Gynec. & Obst.

Brooks presents a case of hypemephroma which is unique in several particulars. The patient a munican began at about the age of 15 to practice necessarily on the piano and continued in do so until his death even at the expense of strength and health he practiced long hours in cold unhested come. He suffered for many years with frequent attacks of tousilities and was never health.

Many of the most prominent physicians, both in Europe and America had examined the case and different diagnoses had been made the last one of which was chronic fibrard phthias with tuber culous of the mediastinal and retroperatorial glands. The More shin reaction for tuberculons was strong by positive although tubercular badili were never found. Yiny plates showed a mediastinal mass and primonary mission there was market reached and proper and the contract of the proper and the contract of the forest and the contract of the property of the bone. Flatness extended from the fifth rib down on the

Fishness extended from the fifth rib down on the fit side with riller and occasional disseminated stees of bronchal hreathing alternating with patches of channached breath sounds. Similar sounds were also present on the right side from the auth mb down to the lever duliners. Breath sounds were exaggrated over the appear numerous moist affect where were heath but there were no mammus deglutation was oblicult the pulses were weak hat equal and synchronous.

Later in the history of the examination of the case a soft mass was found on the external superior aspect of the humerus. The patient continued to grow weaker and weaker until he was compelled to give up his position.

From time to time he suffered with severe at teachs of coughing with expectorations of filimous clots of blood Cyanosis became progressively marked and the retrosternal mass increased in suc-Difficulty of swallowing licewise increased. His death occurred a few months later apparently as a result of eshaustion

The autopsy showed a large indefinite mass in the post mediastimal postion united with the rosts of hoth lungs and the pernardial was displaced to the left. The left lung was largely atelectatic and was so camified as to almost such in water. It lead areas of tumor in wason apprentily extending the pison the lymph nodes. The mediastumi mass was made up of nodular but intunetly adherent masses. pinkish white There was no tumor foroferement of any other organ except the dudleys and adrenal. The right adrenal was almost completely replaced by a time platish white neophesan measuring 2 x and g x scentimeters findameter. The parenchyms had undergene simost complete strophy. The medulia of the feft adrenal was similarly involved by the growth but the growth could nevertheless be easily separated so that fit did not seen to involve the parenchyms of the kiloger's Microscopical examination of this Loue showeful in the one at the head of hypercompositions of the consideration of the control of the

the head of hypernephrona.

The pathological report of the author does not seem to show anything more than is usually found in these afternal turn in The author makes the point that diagnosis should have been made earlier but it was not suggested or even thought in fly any physician. If he he even that the extreme exhaustion continuing through many years about if hiv led to

an investigation of the adrenals.

During the period between the times when the patient was forced in stop work and the time of his death fhe scieroderma which was evident on the fingers disappeared the cracks healed up and the thickness of the skin became noticeally less. In the sother a opinion the importance of the case is based on the shortening of the bones of the fingers based on the supereduct on the burst of the but the 'ray showed so other bony sciences or atrophy and he believes that if this bony affection of the fingers was directly connected with the disease of the adresals there would be other evidence on the skeleton fle therefore thinks that this ducties gland disease had nothing whitever in do with the hone changes that they were in all probability due to the incessant use of the ends of the fingers in striking the keys of the pixoo extend ng over a period of from fifteen to thirty four years of age and this point is the author a excuse for reporting the case fle believes that the atrophy of the the adrenals but was an occupational condition as was also the scieroderma at the ends of the hogers A C. STORES

Frouin A., Meyer A., and Rathety F.: Fifect of Temporary Lightion at the Ren f Vein (Sur les eff to dee Bratuers temporare des class rétales). Compt rend high d'Sec d' box 151 ixxy 235. By Journald Churgh

In a series of experimenta made on dogs m col-horation with Chese Froms found after ten muttes ligation of the renal years (1) External gilepsy manifested by convisions and internal spilepsy manifested by vasconstructed and adominat eggs with the convision of the series of the adominat eggs to be up to 10 pages the tenth of the latent of the Ludory and expectally of the laver, Cased tred to explosive these results and fasled

so Froms Meyer and Rathery tried the experiments again and did not get the same results as the first time only the histological lesions of the kidney

and liver being constant. They could not attribute the difference in results in the anesabesis the method of operation more in the freeding of the annuals and contuded that only the hintological lenons, particularly those of the liver are constant as temporary? gaiting of the renal veins but that the temporary? gaiting of the renal veins but that the temporary are suffered and death are mountain the cause of which there are constant as phenomena, the cause of which they are constant as the cause of th

Bloom J D z kldney and Urinary Bladder Stones Peculiar in Kind and Formation U & br C : s Rev 3924 aviu 223 By Surg Gyace. & Obst.

The writer any that sails of various forms almost in solid condition easy occur in the bladder as the solid condition easy occur in the bladder as the solid condition easy occur in the bladder as the solid condition of the solid conditions as the solid condition to the solid condition to the presence of these crystal through solid condition to the presence of these crystal nine substances some stratation to produce albumpad for colleded on the Luciu et another. They may be of colleded on the Luciu et another. They may be solid conditions the solid easy to the solid condition to the presence of these crystal nine substances some stratation to produce albumpad or colleded on the Luciu et another. They may be solid to the solid condition to the solid

of stone. The partiess of renal calculs of infancy is wrate of amnonia. Phosphatre exhell are derived chief from line and magnessing solits in extrave alkaling ty the earthy phosphates are precipitated. The phosphate of lines and magnessing control is also deposited. Faulty, catheterisation defective many valion or siny abstract is condition may be considered.

tributory

The author states that there is a sympathy between the kindneys physiologically and pathologicality. In the one instance this is a reflex national at the other it is no the nature of a compassatory change. Therefore the location of a stone a not exactly defente. Is a rule bladder storts occur singly, but one case has been reported where three bundered and eve stones were found in the bladder.

The shape of calcult in the bladder is due to the contractions of the bladder. They are usually round but may take on various gretesque shapes. Oxalat stones are of the mulherry formation. Stones are more frequently found in the male experisally those leading a excentary those leading a excentary those leading a excentary these.

That functional co literas contribute to stone formatio the author the is undoubtedly true.

If aubmits som pecimens on in the form of a duck a foot ood som specimens of mulberry and cult which are interesting A C Stokes.

Orr H W The Differential Diagnosis between Kid ey Lesions and Pott a Disease; Tuberculosis of the Spine Unit of Chat Rev 1941 273, 337 By Surg Gyner & Obst-

Out d scribes the differ atial diagnosis between kidney lessons and early Pott duesse fie emphasizes the necessity of caraful physical examination to determine the presence of Potts disease and thinks that by caraful study an early diagnosis of this disease should be made more frequently than

It is Judson and others have called attention to the fact that the symptom of early Fott s disease in children is fraquently referred to as atomach ache. Moreover he says the muscle rapidity about the point of disease in the spine is fraquently are retensive as to communicate listell to the muscles of the flaols and abdomen.

The gait and stooping position of the child with spinal inherculous are usually if not almost always characteristic, and if a unnary examination is made it will count to a differential diagnosis between Pott a

disease and sofections of the kidney

The nother believes that a more extensive use of the Yny abould he made in these disease. The very great importance of early conservative treat ment in spanid lessons makes an easily diagnosis importance. He believes that the nanwer to this problem at the present day as to the differential diagnosis between ladings and Pott a disease must be in a more careful eximination more accurate observation and appreciation of symptoms.

Eindberg Let Study of the Eidneys in the Tubercular (Études sur le rein des t berculeus) Thèses d ded Pa 19 3 By Journal de Chirurpie

Kuntherg's report a filled with new facts and ideas and should be read by all who are unterested in the question. The subject was opposed by Chauffard is ductassion of tubercular nephrines and by the controversy between Landousy and Bernard on one side and Brailt on the other in regard to the chronic parenchymatous nephritus of the tubercular The former assumed that this conditions really existed, the latter that it was only a symptom of ranal solyloss.

It has been established that the kidorys of patients with pulmonary tuberculous are functionally and manomaculy normal in the majority of cases. The tubercular tosums if they east in the carculation do not cause unmatakable toot lenoes in the ladices; As to the bacilli in the carculation do not cause unmatakable toot lenoes in the ladices; and attention in the adjacent particulyma. A con dition ofters found a smylond degeneration of the tudays which seems to attack the liver apleen and upracturals before the ladice; and is generally more produced to those organs. Bernard Castrages which have been a superal produced to those organs. Bernard Castrages were marked leasons of the publishmen of the particular control of the particular control of the particular control of the patients which is not the cause of it but is due to the same chicological factor.

kindberg showed by histological examination that the tubes were relatively totact but showed hypertrophy irregular swelling and a clear appear ance of the cells. This seems to correspond to the

hypensecretion which is observed chinically. In fact in these cases there is a peculiar functional symptom-complex, consisting in considerable lower img of Ambards coefficient and a lowering of the chlendria of the serum helow the normal though there as sufficient chlorum. This syndrome seems to correspond to an exaggration in the power of concentration of the kidney. It is very early and enables one to make a diagnosis of amylosis before the spearance of marked albuminum and cedema. It is not due to the amyloid condition of the kidney tried but represents the reaction of the kidney thus far bittle modwed to the vaccral amylosis and the condition of the blood

Is there a true chrome nephrits of tubercular ongm³. Vot every case of chrome nephrits in a tubercular patient is caused by the tuberculous and tubercular patient is caused by the tuberculous and cerva il mociutation is positive an ordinary nephritis with generalized lessons is not necessarily due to Kochs backlist best it is nevertheless true that the syndrome of nephritis may depend on massive tobercular institution of the kidney. Atypical necroses may be observed intensitial infiltration of the contraction of the co

related to ordinary Bright a disease.

Finally there may be peculiar acute lesions of the kidneys not betherto published found in tubercular patients who ha a died suddenly without clinical reactions and at the autopsy diffuse subacute lessons have been found such as intense congestion of the renal cortex and various types of necrosis of the cells and tubules Cases of ventable acute terminal nephritis have also been found in tabercular patients also cases of transitory acute nephritis of the harmorrhage typs which have recovered with out leaving any traces. To explain these latter cases, the idea must be accepted of a special reaction of the organs to a second tubercular infection a special form of anaphylans still so little understood in France except in relation to vaccines. In these cases of generalized acute to yearners in more cases of generalized acute nephrits there is a special sensitiveness erested by the first inoculation of tuberculosis. They always occur in patients with pulmonary tuberculosis in the course of development In these patients a remoculation with hacilly and perhaps also with soluble toxins by a mechan ism which must be determined in each case, causes the anaphylactic reaction which hings about the different types of acute nephritis mentioned de pending oo its intensity

On the whole on this unportant work there is an attempt to restort the term drone therealm explants to the types at the term drone therealm explants to the types and the term drone of the totorculous can be readily established to the totorculous can be readily established to the totorculous are the description of the totorculous are the description of the Lidney and the scrite anaphylactic reactions of the Lidney and the scrite anaphylactic reactions of the malkows unknown the control of the totorculous interest almost completely malkows.

Alessandri R.: Can Renal Tubercujosis be Cured and the Function of the Kidney Preserved (La tuberculose rénale peut-elle guéra avec conserva-to de la fonction du rela? Folia moi 2013 u., 86.

The question as to whether renal tuberculosis can be cured by med'cal treatment without the organ losing its function must at present he nn swered in the negative A lewsurgeons maintain that there are exceptions to this rule but these excentions even if they can be demonstrated are rare

Observation has moreover, shown that renal tuberculosis is subject to remis lone sumetimes of very long duration due not to recovery but to the walling off of the ulcerocascous focus. Carlier Desnos and Heatz Bayer have cated cases at this hind which show that the drappenrance of renaf pain pyurm and baculturia may result from a par tial exclusion of the Luln y and not from the definite recovery of the tubereular focus. So that the Lidney which had been diseased may show a clear urme which does not contain pus nor both a bacille and is not toxic inr the coler and is nimost as rich in estreetive substances as that of the healthy Lui ney when as a matter of f et a part of its paren chyma is transformed into a closed cavity the walls of which contain tubercles in a latent state which may reawaken at any time and reinoculate the bladder and destroy the negan which had been supposed in be cured. He reports two cases

I woman of 45 had had bladder trouble and nyuna for two years \ hypogastric merenn was made and an area of soft funcouries removed from around the left ureteral profice. There was rapid tocovery and complete disappearance of bladder symptoms. Hatalogical examination and mocul tinn of the cohra showed that the fragment removed was inhereulous live years later the patient returned compisining of left lumber pain \ephrectomy
showed the preter normal. The upper two thirds
of the kidney were also normal. The lower thirds was merely a sac with caseous contents and n fibrous wall completely closed without mny com-munication with the pel is or with the creter. It is evident that five years before the tubercular focus communicated with the pelvis since the area

aroun i the preter had become inhercular At the time of r after the bladder operation the lower calyz was abliterated and the focus thus excluded whence disappearance of the pyuria and bacillinia. This case is related in those described by Casper Pawlof and key where there was a double ureter draining a kidney. A part of the kidney destroyed by inherculosis was excluded by abliteration of the calyx of the corresponding wrete But this case proves especially that the orguments for the spontaneous recovery of kidney inherculosis with preservation of the timet an of the organ are not valid. E en if catheterization of the nieter of the supposedly reco ered Lidney gives a urine with out bacille or pus and not t ue for the cohra it is not eate to conclude that the kidney is well Therefore nephrectomy is at present the only rational treat ment for unlateral ulcerocaseous tuberculous of the kidney E JEANBEAU

Legneu Fr Use of the Constant in Nephrecromy tor Tuberculosta (Des mplications de la con-st nic à la néphrectomi) J d'ard, 9 4 v 1 By Journal d Chrange

Threa points are to be considered in the application of the preosecretary constant in nephrectomy for renal tuberculosis (t) its factors (z) its

interpretation and (3) its chilest value.

The constant depends (a) on the functional maturbance which the tuberculosla Itself has pro fuced in the parenchyms of the kidney which it has nttacked As a general rule the constant uses in proportion to the amount of rensl parenchyma destroyed by the inherculosla. But it must be remembered that quite estensive inhercular lesions may exist in n ki liney without its inaction being very much disturbed (b) on the necompanying or consecutive perhapsis of enbercular or other norm in the other kniney—the constant rises in proportion to the degree of perhous in the other hidney (c) on the compensatory hypertrophy of the healthy portions of both kidneys

2 The variations of the constant may be con siderable in renal inherentous Lecuen has abtrue bee ofog smean bas smisses as bee to Three possibil ties are presented (a) The constant is about o yn it is normal the kidneys are function ang well But the patient may present either per feetly healthy kidneys or a discrete hilateral renal tuberculosis, or a unilateral tuberculosis with in tegrity ni the nther Luiney which has made up, hy compensatory hypertrophy for all that is lost by the duessed one (b) \ constant of n too uguines that the patient has only one kidney or two halves of kidneys The disease may be bristeral and partial or usulateral and tatal It will require cathetraza ting of the ureter to settle this question (c) The constant is n 150 Disgramatically the patient has only one lourth of his kidneys but functionstion may be divided so that operation is contra

indicated 3 As to n clinical value when cathetenzation of the wereters is unpossible the constant shows better than any other method the normal function ing of the othe kidney and it allows the surgeon to nyord catheterizing the nreters through the npe ed bladder o perin m ng an exploratory lumbar incision on the sound side. The constant does not settle the anestian of the localization at the lesions This must be do by cathetenzation of the reters, radiography clusical examination and exploratory

J TAVIOY lumbar incision McCaskey B W A New Method for Estimati 2 the Function 1 Capacity of the Kidneys by Forced Elimination of Prefermed Urea Med By Surg Gynec, & Obst. Res 9 4 letts 507

The nuthor considers as inferent al und unsatisfactory the of rmation given by the usual

tests for renal function by elimination of foreign substances of which the phenol ulphonephthalein has proven to he undoubtedly the most valuable Each al these tests indicate only one phase of hidney function the kidneys may be unimpaired or only slightly impaired in the elimination of certain substances and most senously affected with respect to othere The elim nation of urea being an end product of mtrogeoous catabolism is one of the most important phases of kidney function, and it is very possible that its elimination runs parellel to that of other nitrogenous waste prod nets and toxins which are responsible for the syndrome of Bright's disease A method of estimat ing this phase of functional activity would therefore be more physiological and rational and would furnish more reliable information than the elimina tion of any foreign substance. With this object in view McCaskey adopted the following technique About 6 A M the bladder is emptied Two hours later the urine is collected and the patient then is given to grams of urea dissol ed in 4 or 5 ounces of water Just before taking the urea the patient drinks one-half of six ounces of thin cereal gruel taking the other half immediately after the urea No other breakfast is eaten. The unne is then collected every two hours for twelve to twenty four hours the ures determined for each two hour period including the two hours preceding the ingestion of the ures. From these dats a curve of tires excretion is constructed Cases with an excretion of much below 20 grams in 12 hours should he regarded as of somewhat limited functional capacity while one-half this indicates serious

impairment Comparison of Rowntree and Geraghty the author finds that the uses does not run parallel to the phthalen. He suggests that the functional capacity of the hidneys for chloride and water exerction should be determined by nimitar methods in suitable cases.

The above urea method is not for routine use but only for properly selected cases and especially for therspeutic purposes in which it is advanta geous to know the type of renal block present FRAME HYDRAN

Smith E O 1 Sudden Death Following Pyelog raphy Am J Urol q 4 1 By Surg Gynec. & Obst.

The author reports a personal experience in which he injected so cem of 10 per cent collising of the light kidney of a woman of 70 About 5 manutes after the removal of the cystoscope the patient died

The autopsy showed among other things general artenosclerous val ular heart lesions and hron chins with emphysican. The lidneys showed a chrone: tersinial nephritis with an acute superimpoced process. M crocorpocal section of the right kidney showed collargol: the tubules and in a few cells.

The author concludes that the injection of collar gol under pressure into the ladney is sufficient to produce shock and in the case of this feethe patient enough to cause the fatal result. He further at vises that injections of any purporation into the pelvis of the kidney should be done only by force of gravity. If L Sucroso

Ponomareff S I 1 Operation in Subcutaneoua Rupture of the Kidney (Über den operativen Eagust bet subcutaner Nierenruptur) B b z. 21 Car rore lexens 652

By Zentralbl f d ges. Chir u ! Grenzgeb

The author favors the conservative treatment of rupture of the kidney. The material of the Obuchow Hospital proves that good results can be obtained by this method. In the years 1898 to 1912 57 patients with rupture of the kidney were treated. Of these 57 patients 3 were discharged without heing cured and the further course of the discusse as not known. Three patients dued in all discusse as not known. Three patients dued in all other to repute the contract of the contract

Operation should be undertaken only when it is necessary to his or when it is reasonably certain that complete recovery can be obtained in no other way in see ore hemorrhage in infection of the injured ladney or rumor formation in the trajon of the injured ladney if the tumor shows no ten dency to decrease in size but rather to increase

Operation should be undertaken as promptly as possible if there is a suprocoo of en unique tone rupture or injury to other organs in the abdominal exity. If there is no infection of the kidney operation if performed should be as conservative in the contract of the contr

VOY HOLST

Schischko Z. P. Implantation of the Uraters in the Skin (Emplantang de Uret ren in die Haut) Vra h Gas 913 xx 604 By Zentralbi i d ges Gynik Geburtah. s d Grenzgeb.

In order to study the question of what changes the kidneys and ureters undergo in implantation of the ureters into the skin the author carried out 37 expenients on dogs in 32 expenients on dogs in 32 expenients on dogs in 32 expenients on the constraint was implanted in 12 cases both In the implantation of the one ureter the of the find was removed. It was found that there was along was removed. It was found that there was along to the meter as a result of disturbance of another to the find of the contraction of the skin open often connected with contraction of the skin open my played a part in the entrance of bacteria lato the kidney pelves. Anatomically the ureter was distated and its musculture thuned. The distance of the contraction of the distance of the contraction of the contraction of the skin open.

Alessandri R: Can Renal Tuberculosis be Cared and the Function of the kidney Preserved (La and the runction of the notiney avec conserva-tuberculose rénale peut-elle guéra avec conserva-t a de la fonction d'rein) Poles rei 7012 vi 256. lly Journat I Ct rurge

The question as to whether renal tuberculosis can be cured by medical treatment without the organ losing its function must at present be an swered in the negative A few surgeons maint sin that there are exceptions to this rule but these excep-

tions even if they can be demonstrated are rare Observation has moreover shown that renal tuberculosis is subject to remissions sometimes of very long duration due not to recovery but to the walling off of the ulcerocaseous locus Caler Despos and Heitz Boyer baye cited cases of this Lind which show that the disappearance of renal pain nyuna and bacillura may result from a "nar tial exclusion of the Lidaey an | not from the defi ste recovery of the tuberenfur focus. So that the Lidacy which had been diseased may show a clear onae which does not contain pus nor kach a bacille and is not tome for the cobra, as I is almost as rich in extractive substances as that of the healthy Luf pey when as a matter of fact a part of its paren chyma is transformed into a closed cavity the walls of which contain tubercles to a latent state which may reawaken at any time and relacculate the bladder and destroy the o gan which had been supposed to be cured. He reports two cases

A woman of 45 had had bladder trouble and paris for two years I hypogastre local n was made and an area of soft fungosities removed from around the left ureteral onfice. There was rapid re covery and complete disappearance of bladder as min toms. Histological examination and moculation of the cobra showed that the fragment removed was tuberculous Tive years later the patient returned complaining of left lumbar pain Sephrectomy showed the areter aurual. The upper two th rds of the kidney were also normal. The lower third was merely a sac with caseous cooteous and a fibrous wall completely closed without any communication with the pelvis or with the ureter. It is evident that five years before the tubercular focus communicated with the pelvis, since the area

around the ureter ha f become tubercular At the time of or after the bladder operation the lower calyx was obliterated and the focus thus excluded whence deappearance of the pyuna and bacifluna This case is related to those described by Ca per Pawlof and Lev where there was a dooble ureter draining a hidney A part of the hidney destroyed by tuberculosis was excluded by obl teration of the calyx of the corresponding oreter Bot this case proces especially that the arguments for the spontaneous recovery of Luiney toberculosia with preservation of the funct on of the organ are not valid here if catheterization of the areter of the supposedly recovered Lidney gives a un e with out bacilli or pus and out toxic for the cobra, it is not safe to conclude that the kidney is well Therefore

nephrectomy is at present the only rational treat ment for undateral alcerocaseous tuberculous of the ki lney E BANDON

Legues F : Use of the Constant in Nephrectony ties F : Use of the accurate to the for Tuberculosis (Des Sphications de la cossetat à la néphrectome) J d' si, 10 4 7 1
By Journal de Chirarpe

Three points are to be considered in the applica thou of the preosecretory constant to pephrectomy for renal toberculosis (1) fts factors (r) its

ant speciation and (3) its cluical value

The constant depends (a) on the functional disturbance which the inherculosis itself has produced to the parenchyma of the hidney which it has attacked As a general rule the constant rues in proportion to the amount of renal parenchyma destroyed by the tuberculosis But it must be remembered that quite extensive tubercular lesions may exist in a kidney without its function being very much disturbed (b) on the accompanying or consecutive nephritis of tubercular ac other organ, as the other kulney-the constant rises in proportion to the degree of aephritis in the other kidney (e) on the compensatory hypertrophy of

the besithy portions of both ki lneys 2 The variations of the constant may be conand rable in renal toberculous Leguen bas observed as max ma and m mma o ofo and o off Three possibilit es are presented (a) The ronstant as about o 70 at as normal the kidorys are function ing well But the princet may present either per lectly healthy kiderys or a discrete biliteral real tuberculous or a unitateral tuberculous s at in-tegrity of the other kidency which his made us, by compensator; hypertrophy for all that is lost by the diseased one (b) I constant of o too seglici-ties the patient has only one kidney or two halves of Lidneys The disease may be bilsteral and partial or undateral and total It will require catheteriza tion of the ureter to settle this question (c) The constant is 0 150 Diagramatically the patiest has only one fourth of his kidneys but functions tion may he divided so that operation is contra

mdicated 3 As to a clinical value when cathetenzation of the urreters is impossible the constant shows better than any other method the normal function ing of the other kidney and it allows the sorgron to avoid eatheterizing the ureters through the opened bladder or perfo ming an exploratory lumber ancision on the sound side. The constant does not settle the question of the localization of the lesions This must be done by catheterization of the ureters radiography ch ical examin tion and exploratory lumba i cisio I TANTON

McCaskey B W A New M thod for Estimatt & th Functional Capacity of the Aldreys by Forced Limination of Preformed Urea Med By Surg Gynec. & Obst. Ret 19 4 hum 507

The autho considers as I fere tial and unsatisfactory the information given by the usual

Incrusted Cystitis (La cystita in-Francois J crustée) J & rol 1914 v 35 By Journal de Chirurge

Incrusted cystitus is an ulcerative inflammation of the bladder wall with deposits of calcium phosphete on the surface and in the walls of the ulcer it may appear us the course of acute cystitus but in the majority of cases (13 out of 16) it follows a long period if ebronic cystitis—3 to 5 years. It presents the usual symptoms of cystitis and sometimes also debras of the incrustations are discharged or even true gravel The urine has an ammoniacal odor and is generally alkaline The capacity of the blad der is reduced and varies from coo to 3n ccm concretions discharged are in the form of yellowish or brownsh scales, rough on the surface adherent to the bladder smooth on the opposite side Retention of urine and pyelonenhitis are frequent complications

The cystoscopic picture varies according to the thickness of the layer of incrustation It may show simply yellowish non-elevated patches with it regular borders at may give the impression of a thin layer of cotton on the mucous membrene or tt may be thick and elevated ceserobling a tumor or a calculus and giving the impression of a white sponge in the bladder These incrustations are multiple and distributed over the trigone the fon dus and the lower part of the hladder cavity Tha surrounding mucous membrene is red ordematous,

or even ulcerated

The favorite location is the trigone the region of the ureters or the neck they may be localized on a hypertrophied prostate lines. Local necrosis of the mucous membrane is the first phenomenon, and the calcareous incrustation is secondary. It does not recover apontaneously Curettage by the natural route or even after eystotomy niten fails to prevent recurrence and should be replaced by excusion of the plaques followed by suture I TATIOT

Farnarier Treatment of Stubborn Cystitis by Iodina Furnigation (Le tratem t des c) tries rebelles par teni mage sodé) Arch rel i d hecker 9 4 1 353 By Journal de Ch rurgie

Parnarie adds o cases in those already published in his thesis on this subject. Ife describes in detail the technique of his method by which he has now treated 3 cases f cystatus n which no improvement could be not med by any of the usual methods of

The results abtained are as follows in complete recoveries including 8 cases of scute cystitis of the I f scute cystitis n a prostatic ease 2 cases of tubercular cystatus after nephrectomy Im pro ment was noted in 12 cases 1 cluding 8 of tubercular cystitis z of calculous cystitis z of canrerous cystitis 2 f cystitis of the base ti e action was noted in 4 cases of tubercular crat There were 4 unsuccessful cases including I case of chro ic cystitis n a prostatic case i nf ebronic

evatitis in a tahetic case i chronic cystitis from an unknown cause and I tuhercular cystitis There was nne case of tempocary exaggeration in n slight c) stitts of the neck. Iodine fumigation is infinitely less painful than the injection of phenolized gly cenne by Ronsius method, and it constitutes one more good method in the treatment of stuhborn MATRICE CHEVASSU crotitis

Dearor T L. Chronic Retention of the Urine; Twenty Eight Years of Catheterization . Am M Au 1014, his inta By Surg Gynec. & Obst.

The writer reports a case of continuous cathe terization in a female extending over a period of twenty-eight years At the age of fourteen having previously been perfectly well she was seized with severe hypogastrie poins with inability to The attending physician finally resorted to est betenzation which has been continued ever since although all other known methods were employed from time to time to relieve the condition without success On hec last admission to the hospital nothing in the past history physical or cystoscopic examinations could be found to account for the retention There was a well-defined spasm of the internal meatus. The prine showed a mild chronic cystitis and the hladder beld about 3 ounces The natural desire to unnate bad for years been

placed by severe suprapulic pain

Because of the length of time the condition had existed operation was resorted to in order to give the bladder rest and a suprapulse cystotomy was done The internal meatus was found small and tense and lacked the usual resiliency and the blad der wall was considerably thickened After the suprapulac drain was removed a permanent catheter was tied in the urethra and as the anneapubic dramage subsided all the urine came through the catheter This was allowed to go no for a week when the catbeter was clamped nff and the urine allowed to accumulate for one bour and then the bladder emptied This time was gradually length ened up to five bnues when 12 nunces could be retained without discomfort. The original hypogastric pain gradually subsided and the usual deare to urmate returned Next a smaller eatheter was used and orme allowed to recape around ft at stated times Finally the catbeter was discontinued altogether The recovery was perfect

C R O CROWLEY

Therenot I Att mpre at Treatment of Reten renot 1 Att mpre at iteatment of Kenen tion of Urin without any Mechanical Obstacia (Essas de Irastement des étents as durine sans inb tacle méca que) Pos méd 1913 al 651 By J raal de Ch rungie Retention of urine without any obstacle ne with

out even sensity is well known i r t has been nbserved in young subjects due to a loss of contractile ower f the bladder from some unknown exuse In such cases electrical treatment has been tried

74

section and even prostatectomy in cases where it has been supposed that the prostate might be tha

cause Everything failed Le Fur had one successful case by creating a

temporary auprapubic fistula Rochet in two cases and Catheliu in one affected a cure by pleasion of the bladder after subperstoneal dissection by the suprapubic route Sluce theo Rochet had devised a new aurgical operation which consists to sur rounding the antero-lateral wall of the bladder with a muscular band formed from flans of the rects of the abdomen a band which sums to raise the bladder which has aunk down ou its base and to constrict

It by lateral compression, flattemng it transversely Resders are referred to the original for details of the technique of the operation which has been performed only once with good immediate results but It has been too recent to permit judgment as to

its permanent results

GENITAL ORGANS

Burney J D 1 Abecess of the Testicia Surt Gyace & Obst 1914 Evil 204 By Surg Gynec & Obst.

Barney says that abscess of the testiele, as distinguished from the epididymis is very rars. Ha reports three cases occurring to his own practice in which no primary focus could be found and where there was no general infection as a causative factor Orchidectomy was done in all three In one the bacillus mucosus capsulatus was found in pure culture, in another the colon bacillus. The

epididymis was not actively involved in any case A pathological report of one specimen showed that the inflammatory process had extended by way of

the interstitual tissue

The author discusses micetion of the epididymis and tests and is of the opinion that in the case of the latter organ there is evidence of a selective function as well as an excretory fu ction These together with its rich blood and lymph supply determine the incidence and nature of an infection Cert in organisms attack only the epididymis, others only the testicle while still others attack both organs The theories of their transmission to the testicle by way of was lymph and blood atream ara discussed

Conservative Surgery of tha MacGowan G Testicle Surg Gy or 5 Obst 19 4 Sval, 329
By Surg Gyoec, & Obst.

Caraless and wanton destruction of the essent al genital organs in men and women has been ery frequent to the past and remains u necessarily frequent now rars in men because males are more reluctant to a bm t to exstration, but inspired by fear they will consent to murilation

The exercise of patience and skill in diagnosis surgical ingenuity and anatomical knowledge a ould

save many traticles.

Indurated and painless growth without tran mattern should arouse suspicions of lura a history of infection not always to be choted-possibly i hereditary without the presence of the usual rig mata. If clearly applicatic, and resolution under salvarsan or mercury does not occur exploration for thick-walled hydroceles of the tunica or cord their removal and the release of pressure caused by adhesions may be followed by speedy curs. Mac Gowan reports three cases of this character

He concludes Conservative surgery is usually applicable to tuber culous traticles—tuberculosis is the infective disease that most frequently gets well. Protrat should be made against castration in all but malignant cases of this disease or where the testicle is plainly the anitial and only focus of lofection. In tuberculous of the traticle which commonly commences in the epididymis epididymectomy is a conservative operation A case is raported of double epididymectomy in which the power of copulation is preserved intact after five years. Resection of a inherculous testicle may be auccessfully accomplished. A case as reported where sexual power was ratained alter removal of one testicle both coldidymu and half of the remaining testicle

Conservative surgery as applied to transatir destruction of a part of a testicle is discussed and a case is reported of the successful resection of more

than one-half such an organ

The author reports five operations to epididy mitis Ifa used the Eckels technique with sha modifications Where Eckels used a blunt probe or grooved director for puncturing Knight employed a blunt pointed needle making from ten to twelva punctures Eckels states that the preparation of the potient is the same as that for a general anasthetic as local aparathesia is not advisable. The unter has used local anasthesia for this operation in several of the cases which be reports, with absolut auccess, hearing no complaints of pain and noting no symptoms of aboek Ha admit there may be some pain if an relatis is present as happened in one of his cases but with caraful handle g of the testicle this symptom can be obviated His conclusions are
2. There is immediate abat ment of all as mptoma.

for which the patient seeks rebef

2 The tende by 10 relapse is oil

3 The operat a procedura is without dinger as

regards angesthesia because the general angesthetics can be chiminated

4 This operation as compared with the older methods of treatment is oe of utmost importance from an economic point of view, not only to the patient when loss I time from daily labor is con sidered but be to the hospital n it economic administration by greatly diminishing the number of days of treatment

5 g Phla 1014 lix lly 5 rg Gyner & Obst. Wade Il v Prostatism

This articl is long will written splen helly Electrated and has a good lil liography it goes minut ly tato a writtee and t lustrated description of the normal and nathol greal anatomy of the

prostate bladder an ladjacent organs in d cu ri g the pathology of simple hypertrophy the author expresses his belief that this may be due to some alteration to a normal internal secretion and a so s ates that this hypertrophy practically always involves the mul lie lobe He lurther remarks that he nature of the growth the energiators ducts together with the seminal vesicles are dis placed il unwards and backwards toto a region of safety thirely favoring the case with which a supe puble operate n can be done to the over growth does not affect the posterior lobe this is compres ed in such a way as to form a sort of falce

marked Instatic flrou to du it upon at some logih In this co lunt the intergland live tissue is so to creased in amount that the whole orein is more or he al nile a process which Wale empares to that I the & lney and other organs. The over growth of conrective tung leaves no lake carsue ar I th u nietween prostatic eapsule and sheath be ng riu h trore intimate than normal the removal of the rginl) any meth it r nicred esceedingly diffe i Wien the modified he is especially in

carrule to the prostate and the line of cleavage letween it and the hypertrophical taske is well

I led th finnes al rot bar a prof ed Crinom secured in prout of ten of the lea cases of three & h med a chronic lobular a rostatitis a will Three types f anin m wire lound th into redulary I a lenocan nom tous Wat says the neer may leg n in the cent of an rea I have told a present to set it ore plete sects no of the will organ my have to be ma le or t l'amered

Ill nel the cause of I the unsper toleases practities is eg wh un virs t Int der notthem rial it b q tes fre le Imm f gures 1 others 21 sats that it to real tilt will be with go eral reduc-I in the more le li th & th a wof l sth to the property of the propert 1 1 100 tel i nel tt bett sedan tHI T [177 C

11 ger i mederand thereal 107 **NIT** t real are ser i Dree seties like be se fe I to pron a p fat. tu--00- F them st ** 17 6 00 n ul mal to Il In it perton's prese r fe ž ٠,

* we have to make me | beat

tatesm due to other causes than advanced chrome lobolar prostatitis

3 The supraput e transverse seucal method of prostatectomy by virual dissection offers the pros nect of leveloping toto a means of treating prosts ilem which will ultimately warrant its adoption to a large number of cases

4 I rostatic careinoma in an early case may be el meally and surgue halle from hypertrophy due lo chronic lobular prostatitis I D BARNEY

Beer E Adenoma of the Prostate Med Re 1914 By Surg Cynec. & Olat 1555 A7F

The author reports \$5 cases from the gen o money service of Mr Simi Hospital Saly were operated by the suprapule route to telused overs tion at were too ha I make for prostatectomy and 4 hal such sh hi symptoms that a prostatect my di I not scem a l'i ible

The water believes the growths to anse from the much if seu sel m life I be in the remon between the ejeculatory ducts. He lies we in letal the es due to a shutting off of the urethra by the pro tate at the time of bladlet contraction but that the unthra is patent when the blad let is not contracted The author names the following at in leations for operation (t) titacks of retention (s) marked frequency of unnation (1) bleed og (4) difficult and proful unnation (5) chronic intractable cyrtitis

The author believes in a very careful pre im nary study of pro t tic cases. He lay stre super thre things (i) the anatomical and functional conditt a of the I la ller 12) the con I to a if the heart ard (3) the cond to n of the arteries

He thinks that the luncti nal test 'h ui !! we! anlemina es the follows g 1 tum

It can be sa I with absolute truth that th nearer a patient comes to a condition it which he exceets a of the same s sal tances a ger gra to ed be upra es al tort sace i mm tti al the greater the r k of my prestive | wella and three with en serett a shill n ! erated upon und the have be a treated to m santy and thet killions it es a cha

Prose Il we not be? if the area et ret a f an gre t 1 in leterm to the lunct hal ac

to tv lib kil m The a his feven en the one and two tare on erat as Il be councin grieff thenet

rear I the ture while procure to private a s lead to the law peral ares on proveet the to keep the pase to by a wag through the te e sesoner alongs the series of were 10 1 01

dan at out to the a diple a del In it e were i niwas my einew j del rat gat alotgan teperces men tret I the fer tem yle 24 percent

Hs packs a long gause pack into the bleeding region from which the prostate is taken with a heavy alk thread attached to the gause pack and peased through the tube. For an angethetic the

writer prefers other preceded by grs.

Of his 5 cases, the first died from kidney infection the second had a fatty heart the third had an apoplectic strols the fourth died twelve days after an operation for smbolum the fifth patient died from a blood sasis" in advanced myelogenous

leukamıa.

Strychnine and caffeins are used as stimulanta in the post-operative treatment Saline is used per rectum If much oozing is present the clota are washed nut by a catheter introduced through a drainage take The packing is withdeswn in three or four days t brough a hally andoscope Whenever drainage is not wall controlled a receptacle of hard enbber is glued over the drainage hole to collect the urine

These cases are irregated each day through the urathra with a urethral tip and the urane is

kept acid with urotropin Closing of the fistula

is usually easy and rapid The author lays stress on careful asepass and prevention of infection lis says the end results of these operations are ideal

Deaver J B.: Suprapuble Versus Perfueal Pros tatectomy Ann Surg Phila tota lir 360 By Surg Gynec & Obst.

The author summanzes his article which em bodies the results of his personal experience with prostatectomy with the following arguments in layer of the suprapulse route

: The approach to the prostate is sample and practically bloodless

2 The enticleation of adenomatous growths is accomplished with sase 3 The working field is large and under perfect

control

- 4 The prostate is accessible and can be made more so by digital pressure on its rectal surface and without the danger of injury to the bladder from the use of tractors necessary in the perusal opera
- The muscular control of the bladder is not disturbed since the internal sphineter may be a word ad and the compressor weethra hes outside the line of cleavage Incontinence is therefore less frequent

following this technique

6. Permanent fistula are less frequent after the suprapubic operatino They never occur in fact

- if the prethra is boughed Stones can be more easily removed Sexual potency is maintained as frequently after the suprapulic operation as after the permeal, and the question of sterility is raraly of any couse-
- o The mortality is 10 properly selected cases, no greater and the percentage of uncomplicated cures is larger

In his preference for the auprapubic operation Deaver yields (a) in cases of carcinoma when has of cleavage have been obliterated (s) in toberculous of the prostate (3) to the small scientic prostates of chronic prostates of chronic prostatis or fibrous hypertrophy He states that he operates rarely in these groups of cases and then only on the atrongest indications, using the periocal technique of Young

H L. SANTON

Grinenko, A. P.; Total Removal of the Prosints in the So-Called Hypertrophy of That Gland (Zor Frage der totalen Entlerang der Prosints be, der so-genannteo Hypertrophie derielbes). Arch. f. B. Ch. 1914 cui 539 By Journal de Chiungle

The author made a minute microscopical er

aminstion of 12 hypertrophied glands from cadavers and of 20 obtained by operation Based on his observations he discusses the total ramoval of the gland and comes to the following conclusions The gland has no true capsule which separates

It from the aprounding tusue 2 By its capsule is understood the consting

which is formed around it by the folds of the pelvic fascra

3 A division of the prestate into lobes is un justified from the anatomical standpoint, A The glandular tusine of the prestate is divided

by the internal smooth sphincter into the crutta group of the penurethral glands and the peripheral group of the true glandular tusus of the prostate.

5 The musculature of the gland forms a con-tinuation of the musculature of the prostatic part

of the urethra

6 The gland is very intimately connected with the spriounding tissue by its musculature 7 In the so-called hypertrophy of the prosists

adenoms tous codules develop in the smooth sphineter from the persurethral glands 8 These adenomatous nodules are slosely con-

nected with the prethra and are arranged around it, so front of the ejaculatory ducts and about the collicults seminalis

o The entire mass of these nodules which are overed with a kind of fibromuscular capsals can he enuclested from the gland through the bla This nodular mass projecting into the bladder gues the impression of an adenom from its clearly

defined boundaries and ralative sodependence II In transvencal prostatectomy the periorethral adenoma is removed the prostate tself re-

ma mog to place

12 In this operation a part of the prostatic
wrethra is ramoved with the tumor while the

ejaculatory ducts as a rule remaio intact 13 Histologically the complets removal of the prostate without I juring the covering of fascis

is impossible The transvesical method of removing tha tumor from the gland must be ragarded as the only

GLASS. rational one.

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

Pfingst A O A Case of Complete Bilateral Bony Occlusion al Both Nasal Cheane Le yagercape Larragercepe to 4 axiv ror TO 4 XXX 170 By Surg., Gynec. & Obst. By Surg, Gynec. & Obst.

The anthor reports a case of a telephone operator sged at who complained of mahinty to breathe through the nose undeveloped sense of smell bearing normal and good general health until within two years since which time she has suffered with daily dull frontal headache. Upon removal in considerable mucus from the nose by suction he found a hypertrophic rhinitis the septum slightly deflected to the right and a probe passed through either meatus met a bard firm obstruction far back

The post rhinoscopic examination revealed a septum slightly convex, appearing to have a general direction downward and forward completely closing the lumina of both chosing. The marries of the choans: were well defined and the vomar projected slightly beyond the septer in the median line the finger the septum gave the impression of being bony After recumining the septl the author re moved a hutton of bone from the right side with a hand trephine but on account of pain the patient refused further operation and passed from observation the next day

Eight years later the patient reported that muce the operation she had been able to blow through the right nostral

Atresia of the chosing is mostly congenital be lateral or undsteral osseous membranous or both and is best treated by making several small holes in the septum with the electric drill and punching out the bone hetween in make a large npening extend ing to the nasal septum thus preventing reclosure

Dighton A The Submucous Resection of the Nasal Septum Cl J 9 4 zlas 4
By S rg Gynec, & Obst

Th anthor considers the operation indicated in case of any leflection which causes interference to th natural entiation and dra nage of the nose nasal sinuses in ear but contra indicated in children under fiftee years of age and in all cases of active

syphils
In operating the suther considers general and the initial incision as the ersthesia untu trashle and the initial incision as the most important at p in the operation this should he m de to the plane between the penchandnuos and the cartdage LUES J P TREESON

THROAT

Davis, J L.: Fixed Sources of All Hæmorrhage from Tonsillectomy and Its Absolute Control

The author states that while numerous arterial branches reach the tissues which enter into the formation of the tonsillar fossa a single artery enters the fessa at its superior extremity passes downward between the capsule and the muscular aponeurosis penetrating the capsule to reach the tunsil

Accompanying the artery are two viens, one running upward to join the palatine plexus and one running downward to reach the pharyngeal plexus

Thus en the average case one arters and two weins are the principal vessels severed and since the venous occurs is of temporary duration there remains but the one artery to be dealt with in the control of hamorrhage

The author rontrols hemorrhage by retracting the superior margin of anterior pillar grasping the artery carefully to avoid injuring the wall of the fossa and tring a ligature of to a catgut about the vessel ELLEY J PATTERSON

Vanderboof D A. Technique and Results of Injections of Alcohol for Pain in Tubercular Larynghtis. Ill out M J 1974 xxv 139

By Surg Gync. & Obst.

From his expenence in relieving pain in late tuber culous ulcerations the anthor advocates early blocking of the nerve in those cases where the ul cerated condition is in that part of the throat in pervated by the internal branch of the superior latyngeal nerve

If e uses for the injection a warm 50 per cent soln tion of alcohol with a record 2 ccm syringe the predie of which is filed across and blunted so as to avoid the danger of injuring the superior farvageal artery which hes in close proximity in the nerve

The operation is done under aseptic ronditions with the patient in the recumbent position slan is sterilized with iodine the nerve located a em fmm the incisura thyroidea then w th the skin between the thumh and forefinger the needle is mserted with a slow pushing and twisting movement sinwly moved about until the patient complains of a sharp pain in the ear nr jaw at which point the alcohnl is slowly injected the needle being moved about so that five minutes is consumed in the in section of the s cem. Upon the withdrawal of the predle a colloding dressing completes the operation,

ELLEY J PATTERSO

Bérard L. and Sargnon Two Cases of Laryngopharyngectomy for Cancer (A propos de deax cas de laryngo-pharyngectomic pour cancer) Lyon chi 1913 x Nn 6 By Journal de Charquae

The simultaneous removal of the larynx and all or a part of the pharynx is inducated in intensic cancer of the larynx which has extended secondarily to the zertor acytenoid region and the pharynx in extrinsic cancer behind the arytenoids are near the pharyngolaryneous ord incertain primary cancers of the lower pharynx which have not yet cancers of the lower pharynx which have not yet cancers of the lower pharynx which have not yet cancers of the lower pharynx which have not yet cancers of the lower pharynx which have not yet cancer of the lower pharynx of the lower pharynx of the lower portation demands the antime of the control have also performed larynxopharynger(comy for tuberculosis but Bérard and Surpon thank that malippant tumors are the only putification for the operation

It is generally possible to preserve the posterior wall of the pharynx in the form of a band of mucous membrane of varying width the edges of which can he united by flaps of skin buried in the wound. In place of the organs removed a trough of skin and mucous membrane is formed opening forward The operation may be performed in one stage without a preliminary trachestomy or in two stages. In the latter case a tracheotomy is performed 15 or so days before the principal operation Bérard and Sargnon recommend low transverse tracheotomy which is a little more difficult to perform than the classical tracheotomy but which gives no trouble in the later operation and insures a very firm fixation of the traches, preventing it from retracting and causion mediastinitis. If recurrence does not take place quickly the pharyngeal trough is closed secondarily by a plastic operation by means of skin flaps taken from the neighboring regions this operation is delicate and not always completely successful fistulæ persist sometimes

In their cases Bérard and Sargnon used the twostage operation In one case they used local anesthesia with novocanie in the other the same smerthetic combined with a very slight general anesthenis by Billioth methods are supported to any novocanie anesthesia. For the support of both had extrinsic cancers of the larguar bote the operation well but no edie of recurrence after four months hefore the plante operation could be per formed. In the second case the complementary operation which was performed tao and a half months after the larvagopharyagectomy was a partial failure and another operation was necessary to make the closura complete

Larypappharyagectomy is an aperation of conaiderable gravity but perhaps on greater than that of sample laryagectomy Glück and Soccoon publabed statistics of their own c, cases with so death, as per cent In the last 14 operated on they did not lose a single patient Berard and Sangton and a report of 32 cases from different sothors, with 6 deaths 19 per cent and 7 rapid recurrences.

CH LENGRAME

MOUTH

Massia G and Therre A 1 Peridental Cysts and Tuberculosia (Kysies paradentaires et tuberculose) Lyon ku 1914 st 58 89 Journal de Chirurie.

The pathological anatomy of these cysts is well known and it is universally admitted that they originate in the epithelial delars near the aper of the tooth. But the cause of their development is almost entirely unknown it is generally supposed that the epithelial prodication is caused by the mittation resulting from dental carses. Massas and Therrely case shows that a specific ind ction such as tuberculosus may be a factor in the pathogeneis

of their cysts. In a gran of 35 who had tuberquiar leasons of the apices of both lungs and most of whose teeth were cannots these authors found a cyst as large as a small pea at the root of the first upper presonar. The hastological examination of this cyst showed typical tubercular folicies with gain-tells undertained to the contraction of the cyst showed typical tubercular folicies with gain-tells undertained to the contraction of the cyst showed typical tubercular folicies and knoch should be contracted. This is not a unique case. Euler published a sundier case with the presence of tubercular folicies and knoch should be contracted a cases of cyst of the root of the touch with the cyst of the root of the touch with got the conduction in the color. Therefore tuberculous minst be admitted as an emisgent after in these newplants and the color through the color tha

ABSTRACTS OF SOCIETY PAPERS

AMERICAN GYNECOLOGICAL SOCIETY

MEETING HELD AT BOSTOY MAY 19-21 1914

Henderson Y Recent Experiments Defining the Dangers of Anasthesia T As G, & Sec Boston 1914 M y By Surg Gynec & Clost The great advances recently made in annesthesia and the best design to concentrons with Decrease.

The great advances recently made in antimensa have replaced vague conceptions with precise knowledge of how fatalities are produced. They are found to be ravely due to excess of anasithetic but rather to incomplete anesthesia.

Thos Lerez has shown that with excess of chloro-

Thos Lerez has shown that with excess of Caloroform respiration always fails before the heart but that in lightly chloroformed men and animals excitement indrenalin or sensory stimulation

produce delinum cordis

Under light etherization the beart is peculiarly succeptible to sephyrus Partial applyration is mot uncommon even with a so called open method. A simple closed method such as the forum must also also also method such as the forum must, and high may keep the patient a better color (a true index of oxygen supply) than an open method because less ether is blown away by stormy breathing and the patient gets a vapor of adequate strength

Either should be used as a gas te vapourace before being brought to the patient. Boothby has shown that there is really no difference in the amount needed by refractory of difficult subjects amount needed by refractory of difficult subjects between the subject of the subject is the bat the ill effects of eather depend largely on the retriement of respiration that different grades of ether differ maxicely in this respect. Ether determinates when exposed to hight air and water

and becomes non-exciting
Experiments on men and animals show that
ether existenci is always followed by subnormal
breathing eyanosis and partial asphyaia with
deletenous effects on the patient. The natural
methods of prevention are to use either as a gas to
prevent excess e loss of CO₅, and to administer
small amounts of CO₅ as a resp ratiory stimulant

Smith R. R. The Behavior of the Abdominal Cutaneous Reflexes in Acute Conditions within th Abdomen T Am Gymes Sec Bost 12, 9 4 M y By Surg Gynec & Obst

alter the anasthetic is withd awn

The beha sor of this reflex has been noted in 75 cases in which diseased processes existed within the addomen. The great r part of these were acute The results his e been compared with the findings at operation which followed. This reflex and its

behavior has been a test frequently used by neurol ogsts and attention has here called to it is local conditions within the ablocations by several not it is conditioned by the several not be abloned. The several not be abloned which normally produces an almost ampliances contraction of the retus and oblique muscles on the corresponding side. It is common to below. The reflex is very constant in healthy young people though uncertain in very young nifants and in old people or those with very relaxed or very checked the several way to be a five more than the several way to the se

estimating the extent of the lesion

Smith has found that in 75 cases of acute appen diestis the reflex was more or less involved in 65 It is sometimes involved even where rigidity is absent or uncertain The reflex was commonly impaired only over the seat of the lesion when car currented though in these and more extensive proceases the other reflexes were also frequently weak ened or lost It is commonly though by no means uniformly involved in erropic pregnancy Its normal presence in cases of bowel obstruction would help to eliminate any seute infectious condition and in the subscute infections of the pelvis be found the lower reflexes almost uniformly absent He believes that although the test has a limited value it may he of distinct advantage to the surgeon and at is well worth his careful study

Gatch W D: The Effect of Laparotomy upon the Circulation I Am G; See Bost R, 1914 M y By Surg Gynec & Obst

Operations upon the shdomen are very hable to be followed by disturbances of a more or less grave character of the general circulation because of the large amount of blood contained in the abdomnal vacers. This is from 35 to 40 per cent of all the blood in the body. The circulation through the abdomne depends primarily upon the action of the abdomne depends primarily upon the action of the abdomne depends primarily upon the action of the abdomne when the the pressure in the thorax and the movements of the abdomnal walls may assist the flow somewhat. The pressure in the vene cave infent in it the same as the initia abdominal pressure. When the latter is increased by sected or timon the pressure in the vens increased to a regul degree. The maintensace of this venous

3 Where there has been a iscerction through the rector agunal sheet and levator and muscle perhaps including the anal lascia, with consequent rectorals

or rectal prolapse

Not only must the type of prolapse he ascertained but the ast of the uterine body the amount of in lovaginal or aupravagoul hypertrophy of the cerva the astent of the varginal serious in degree of castnede and rectoocle the amount of cedera and the general condution of the vaginal walls, the presente of alhence of adhesions asteral timons, presente or alhence of adhesions asteral timons, presented as to be considered. Furthermore the word of the contract of the state of

I rimarily the causes of I flure have been

1 Errore in judgment lo the selection of cases for this procedure

2 Errors in technique

3 Atrophis tissue changes in the reconstructed supporting structures
4 Unrelieved intra shdominal pressure acting

in conjunction with an abnormally large pelvis or in a pelvis of faulty inchnstion

Admitting that \$2 cases is too small a number from which to draw any general deductions the author offer the following conclusions

r Interposition operations should be limited to ment of the past the manopause with relatively amail uter and that when the procedure is sleeted in those atill measurating stantisation by tubblingation should be done at the time of the operation of Cases of prolapse to which the sleding takes.

g Cases of prolapse to which the sliding taken place to the post-public cleavage plans are not corrected by the interposition operation

3 The morbidity is wholly due in technical de lects, such as improper preparation, imperfect hemostasis bladder logicy with its consequent vestical disturbances

4 In anteverting the uterus, the antanor wall of the uterus should rest on the fascual plate just behind the pubs. The lundus abould not be two ght under the arch as excessive anterior displacement not only favour recurrence but anteflexes the uterus.

and interferes with drawage
5 The curettings from uters about to be trens
posed abould always be examined as degeneration

posed should always be examined as degeneration may occur 6 Hysterectomy if aubsequently necessary

is easy after this operation
7 Incidentally dyspareuma is a constant and
trout lesome compl int thanks B it time

Byford II T: An Internal Alexander Operation T Am Grace See Bosto 19 4 St y By Surg Grace & Obst

The author considere the Alexander operation the most situsfactory for replaceable retroiternod due to relaxation of the peive tissues. If keers tions about the vagual intence are present they are also reparted Operations upon the sacrotterne ligaments are not advocated in relinary

cases because according to the experience of the author these ligaments will gradually grow shotter after as Alexander operation if a small gazed pears is worn for a few months to protect them from overteetching

When a median abdominal incision has to be made for pelvic conditions the inguments are abortesed through that location to such a way that they draw toward the internal sogilual mags as in the Alex ander operation and in such a way that the arturn are extreperioneal. A fold is taken in each ignment and suttred. These finishs are drawn through a personal pure ure near the internal ring and at tarbed along the inner surface of the abdominal wall at the polity has the repersionesity. This is swill at the polity that satte personality. This is swill at the polity has the repersonality. The size of the personal processing the p

Stone 1 S: The Technique of Supravaginal fireterrectomy Since the Introduction of Indias as a Sterilizing Agent T Am Gym See Boston 9 4 May By Surg Gyme. & Obs.

The biastature of this subject has not here profine aline the mortality af hysterettomy reached about 5 per cest in the hands of most operators, and the very low rate of a per cest to a lew chines. It is not surpraising that a certain amount of returns and such cash and the result from the sermonal of a line shock about the result from the sermonal of a line broad logament and which carms with it the other heads of the result of operation is out the only any timportant consideration. If there is blood or servine scollections about the stump under the hilled der neseum or personal control to the total carms of the control to the country of the control to the country of the

lit r the usual careful aturdy of each case present ed for the operets n the method used by the anthor as substantially as follows The akt can be suffi ciently a flateribaed by one appl ration of a diluted lincture of jodine but th soap and water cleansing the day previous t operation is still used. In one chine the beaume sodine solution is used the day previous but in the othe it is omitted to applications of a 5 per ce t dilution 1 part to 3 of 95 alcohol being relied pon One of these solutions is made before the patient takes the anasthetic the next pplied just as the sheet and towels are pla ed. The first ppliests n is m de ten minutes before the second a d the latter is made to neutrebase any bacteris wheb may have reached the su face during he excitement stage of an esthesis must indeed be great meety of technique if an st tempt is made to exclude the minute particks of sodine from the usund whi h some writers and teachers ppear to dre d and it also seems to be equalty impossible to say that two scalpels are bette and saler than one while making the menton If the first acaip, i used in opening the lin carries

bacters with it the second scalpel will surely carry them further

Mithough much has been read and heard of the absence of bactern within the uterine and cervocal canal, and that cultures will not show a growth if taken from the vicinity of the internal or neverthe less all of the bacteriologists say that bactern are found within the external or and it would appear to he at least prudent to render the entire uterine canal and also the vigina quite stenle in order that the operation may be done through a stenle field

whether a total or a unitotal bysterectomy.
The use of sodine within the uterus has many advantages but so the anthora elime the fluid — 25 per cent of the tincture — is not thrown into the netrus with such force as has been recommended when the tubes are injected as there may be a disadvantage in an unnecessary use of a tosse agent

Jundly as one of the essential factors in the pretention of morbidity at this clinic they are using a combination of local with general aneathers rowcaine in Juco solution is freely used with ether or if the patient appears to require it introordic-organ is used. Melore the sound is closed the area and quantes solution as used above each the after pain. In addition to this morphia or herolice is often used to prevent shock or great rettlessness.

The result of this technique appears to he nearly perfect it the chimistion of morbidary may he said to indicate such a desirable consummation. In charta e-rabinted by lantern slides — the author aboves a composite temperature range of most of aboves a composite temperature range of most of in the maniner above noted. One special chart shows a case of either pneumonas which recovered easily. Another by companion shows an infection which occurred in a patient whose cervix could not be reached for injection. The result was a bright patient in the companion of the contraction of

Frank R T The Clinical Manifestations of Discusses of the Glands of Internal Secretion in Gynecological and Observical Patients IV Am Gynec A : Boston 19 4 M y By Surg Gynec & Obst.

The aim of the author is to point out means of standardizing reses ch both clinical and pathological by improved diagnosi and careful study of cases

The glands of at mal secretion fall into three groups (1) than p ut and adread cortex may stimulate the sexual tract (2) hypophysis and thyroid eventually cause hipophasis (3) the parties and parally rouds apper to play no role of the parties and parally rouds apper to play no role other duttless glands produ any endirectly important changes in growth nervous system etc. The goosal govern the growth of the external an inter-

nni genuals directly and indirectly the development of the secondary sex characters — hair fat breasts pelvis larynx psycho etc

The human ovary is a compound organ composed of follicle apparatus corpus luteum and perhaps the intensitial gland of atretic follicles

A description of the formation of each of these constituents follows: Ovulation apparently takes place from x to x4 days after the onset of the menstrual flow the best time for impregnation being immediately after menstrustion ceases

Physiologically the follicle apparatus controls the gradual prepuberty growth of the gentals perhaps assisted by the intensitual gland. The corpus luteum produces the cyclical changes. In pregnancy the products of conception cause in presistence of the corpus inteum and the yellow body prevents further ovulation and provides for modulous.

The anatomical changes noted in hyperfunctional and hypofunctional conditions of the genitals are then discussed

Churally only two types appear—the hypoinctional and hyperfunctional Hypoinction locally is shown by splistic genitals, amenorthora dysmenorthora and sterility Systemically in fantilism commodosism changes in the secondary sex characters et appear in almost every case Hyperfunction may cause no local change symptomatically metorrhagia or metrorrhagia and sometimes overfectulity accompany this change Systemically the changes are not marked

The diagnoss must include not only the local condution with examination of muchas uterus and ovaries when removed but also a functional examination of the thyroid hypophysis adenual exte This may require blood examinations X ray tests of suga and adenuals to therance effect of ntopane and pilocarpine etc before during and ofter treatment

In treatment organotherapy has proved dasppositing Ovotherapy may be useful for the vasomotor symptoms resulting from castration. Thyroid at turns helps in the amenorheas of obesity in a tarty vomiting of pregnacy it is of great value. If a purply a drug one titu clied is purely a drug one \text{Ny} is of value to innetional hemorrhages of

puberty adult and preclamatene type of utalignane changes can be excluded. Resection of the ovaries for dysmenorrhoes sterility or irregular hieroimp justified only if the abdomen is opened for a more serious cause. Transplantation of the ovary fails to give permanent results. Local uterine treatment is of I title value. Systemic hyperic measures are still the best at our disposal.

Geilhorn G Spinai Anzethesia in Gynecology I im Gy ec Sec Boston 1916 May By Surg Gynec & Obst

The se enty of an operation stands in direct proportion to the amount of ether inhaled. The popular et bee drop-method is not as as for a pocodum as would appear from exaiting statistics. The latter are incomplete in regard to the number of statutes are incomplete in regard to the number of statutes and do not take into consideration late complications which may either lead to death or senously interfere with convalescence. There should not be any one routine method but the needs of the Individual case mixing over in the choice of the mode of a season of the contract of the contr

The mortably rate from spand anorthesia cannot be determined by statistics. These too are wornlish! The majority of deaths occurred during the experimental stages of the method. The same their still seems to have nothing to do with the martality. Stovaine tropocesine and notocsive see more or less equivalent the anthor's experience.

is limited in the last-named drug

The salety of spual anesthesis depend first and firemost upon its acturat technique and the strictest observance in west to muscute detail and paramount importance. Reports of death must therefore contain all details of the technique employed before they can be admitted to senous con sideration. It has been proven in thousands of cases that by a privatishing retchnique are only death but also collapse and other alarming complexitions of enther days can be avoided streetsfully.

Contrary to the popular belief three is no psychic trauma connected with spaula arcetthean. Nausea and a somitting during operation are reduced to a attenuture are adopted to above. The abdominal walls for fully the appropriate contract and a substantial and a substantial contract and a all operatine manipulations are rendered easily. Therefore all operatine manipulations are rendered easily and the breaque handling of the vacces is obvisted and here impaised to seen the operative abock, and as nerve impaised do not reach the breast appeal survey there is the description of the breast appeal survey there is the description of the breast appeal survey that is the survey of the survey of the survey of the best of the description of the survey of the survey that is few whits of either survey to render the operation painties.

The author in a int of say abdominal and 43 raginal reprations above that all trade of gyne conquent nerations including those on the Indocy can be performed under spinal anesthesis. There has been no death from the method. In all four nationals have died two of these from sepass after

indual operations for anneer of the cervar.

The post-operative care of spiral cases is stankingly easy. The usual post-operative argues aspect in gravity outspared form or are sluggisher absent. Fattents who have had personal experience with other and spound annextures declare themselves in favor of the latter. An announg swhich have they frequent absent in a boundary of the latter of the l

sensus of all observers that leaung il effect as conspicuously absent. Spinal aussthein motively leasens the blood pressure and abould therefore be used with custloo in case of pronounced partension. Vectonum occurs after spinal anesthesis as well as after inhabition nacrous but errat as well as after inhabition nacrous but errat before the proposal proposal proposal proposal prodeletenous effect upon the patient if disappears apportancessly about fire days after operation.

Peterson R. A Critical Review of Fire Hundred Published and Lupublished Cuses of Abdom inst General Section for Eclasquia. 27 d ≤ Grees Sec. B. vios. 014 M y By Surg. Gynes & Obst.

Since the 300 cases of abdominal cessions section represent the work of 230 perators they are a very fair index in the present status of the operation six method of tre ting anti-partition eclampsis. Also ince the results in operatic expectably abdominal cessions section, are far better at the persent time than former's the value of the operation

as a method of treatment of eclampus can only be judged by grouping the cases chronologically. It weren 908 nd 1914 there were 281 cases of eclampus traited by abdominal exestenn section with 73 deaths or a mot mad mortality of \$70 per cent. Up to 1905 there were 195 cases with 95 deaths are a mortality of 470 per cent. Hence the mat rmal mort 111 ju the devey-set period has

been reduced nea ly one half

The old figures is a 4n r 50 per cent maternal
mortabity from abdominal manean section for
eclampsia are incorrect and abould no longer be

quoted

"Th mortality percentage quoted above 55 to can be considerabl lowered by eare in technique and avoiding the use of the autrapath e route when there is great probability that the woman has been infected from below

Mearly one-fifth of the enture sense or nearstrons, were performed by thirteen men heving five or more cases to their credit with 17 deaths, or a material mortality of 18 65 per cent. Deducting 13 cases

where the proportion of moribuod and septic patients was very high the remaining 76 cases with to deaths give a maternal mortality of 13 15 per cent

to deaths give a maternal morranty or 13 13 per cessi.
Although an eximptic may the after a single or survive after many convulsions, the latter must be utilized as an indication of the degree of eclamptic poisoning until a better method has been found of estimating the patient's condition.

Emptying of the titers either spontaneously or by artificial means whules i puts a stop to the further elaboration of towns from the fortns the placents or hath may not be sufficient to prevent further convulsions or in certain cases death of the mother from intonestion 10 other words so great has the properties of the properties of the properties time after delivery or death ensues in spite of the related afforded by emptying the uterus.

and the travel series of the series resed after the many series and the series of the

Even when the convulnings cease after delivery a certain proportion of the patients die. In 146 cases where the convulsions ceased after abdominal ceasirean section during the five-year period (1905-1913) there were 41 deaths or a maternal mortainty of 10 for cent.

While the above percentage of patients died after emptying the uterus by abdominal coastrean section after cessation of the convulsions the mor tahty is much less than where the convulsions con time since in 130 of such cases there were 41 deaths or a maternal mortality of 31 33 per cess.

The operative treatment of edampsia has never heen given a fair trial. For this the uterus should be empited quickly as soon as possible after the onset of the first convulsion out empitied after all hands of medicinal treatment have been tried and failed.

In the present series there were 25 doothe after 124 aperations performed after one to five convol 11000 or a maternal mortality of 20 32 per cent

The best results to the operative treatment of echangian are bound to fullow immediate emptying of the uterus to cases where the roman has not been infected by frequent vaginal examinations or at tempts at delivery from below. This is shown by the following.

In 60 of the 1 4 cases where the operations were performed after from one to 6we convulsions where none or only one or two vaguest examinations had been made and where no attempts were made to dehier from below there were only 9 deaths or a majernal mortal by of 15 per cost

The increase o mortality due to delay is shown by a mortality of 10 31 per cost where the operations were performed iter the sixth convulsion. This is 10 per cent h gher than after quick delivery and five

per cent higher than the total murtality resulting during this same period (1908-1913)

In Secretary the convulcions ceased after operations performed after from one to the convul amont bere were 8 deaths nr a maternal mortality of 12 33 per text. The mortality is twice as but after per cent after operations performed under the same conditions except that the convulsions continued.

When the abdumoal casarean sections were performed after more than five convulsions there was a resulting mortality of 36 32 per cent where there was cassatum of the convulsions and 36 36 her cent where they continued.

The average number of convulsions in 386 cases of eclampasa to the abdominal casarean series was p where the cases were not grouped. The average was 10 up to 1908 and 8 from 1908-1913.

Tains occurred 21 times in 500 cases of abdominal.

examen section for columpsia or in 4 or per cent of the cases. This is over three times as frequent as are twins in normal cases.

Excluding premature children and counting all children as furnar who survived me hour after delivery there were g deaths from 1908 to 1913 where 248 Children were delivered by abdominal cessivens section or a feetal mortably of 369 per cent. Under the same conditions the fertal mortably was 1860 per cent at children dying the first three was 1860 per cent at children dying the first three per cent of the children dying the first three cents. Under the children dying the feetal mortably by the cents of the control of the cents of the control of the cents of t

The fortus as well as the mother is affected by the celamptic possoo. The greater the number of the exhamptic convulsions before the delivery the of the fortus the utern should be empired as soon as possible after the day convision. If inher account the convision of in their acction the cheekers of the fortus will be much better than if another method of delivery he employed

In 474 cases of eclampias to the present sense \$3,75 per each were primpaire and 67 27 per cent multipaire. The relatively larger proportion of primpaire was due to the fact their primpairons cond tions such as undilated and rigid cervix and mightly of the soft parts more often called for the abdonusal operation than for other methods of delivery.

The insternal mortality is higher after abdominal custates section in multiparous women than is the case with pumparous estamptice. In the present series to any primipares the maternal mortality was at 44 per cent while to 48 multiparts the mortality was at 50 per cent

The firstal as well as the maternal mortality is higher in multipare after abdominal crearean section. This is probably due to the greater degree of rotonication among the multipare inner in both pumuipare and multipare the children, because of the anture of the operation employed escape the

popular ether drop-method is out as safe a proordure as would appear from existing statetics. The latter are incomplete fo regard to the number of fatabilities and do not take linn consideration take complications which may either lead to death or seriously interfers with considerance. There should not be any one routine method but the needs of the individual case must govern the choice of the mode of a numerous control of the mode of the mod

The mortably rate from spatal anexthesis cannot be determined by statute. These too are unreliable. The majority of deaths occurred during the eapermented stages at the method. The anexthetic itself seems to have nothing to do with the mortality. Statum tropococame and novocame are mora or less equivalent the author a repen nor

ta limited to the last named drue

The salety of spinal anesatheria depends first and foremost upon its accurate technique, and foremost upon its accurate technique, and the attention and operation of the second section of paramount imponance. Reports of death sust therefore contain all details of the technique employed before they can be admitted in serious consideration. It has been proven in thousands of cases that by a parastaining technique not only death but also collapse and other alarmolog complexitous of serior days can be a noded successfully

Contrast to the popular beind there is on pyclific fraums connected with apnal anesthesis. Nauses and vomiting during operation are reduced to a uninnum or are slong-there have been 'The abd musal walls are fully a lateral and the toterthere remains all operation assultants are readont at the restriction and the perturned cavity. Therefore all operation assultants are readont as obtained at the restriction and the restriction and the restriction and an error impulses do not reach the hrain apnual according to the restriction of the restriction and an extension and percentage analysis is incompleted as the restriction and the restriction a

operation panies.

The author in a last of 127 abdoround and 42 vaginal aperations above that all kinds of gree cological operations, including those on the kidney can be performed under quant anasthesis. There has been on death from the method in all food patients have ded its not these from separa after

radical appetations for cancer of the cervity. The post-operative care of apanal cases is strikingly easy. The usual post-operative appears appear in greatly mutapated form or are allogsther absent. Taitente who have the personal experience with the term of the latter for the personal experience of latter of the latter for a breaked which how the post-operation of the latter for the headache which how the latter for the patient. Other hydrogen post-operation of danger to the patient. Other hydrogen post-operation of the patient of the patie

sensus of all observers that issuing ill effects un completiously absoct. Spinal sensitheli merkely lessens the blood pressure and absold therfect be used with custion in cases of prosonned hyptension. Actionaria occurs after spinel accretions as well as after Johalation surrous but exerts no deletenous effect upon the patient it disappears appentaneously about the days after appearation.

Spinal anasthesia enables the operation to be carried on with safety on patients in whom ether would be contra indicated It is thus chiefly applicable to cases where the seriousness of the affection the magnitude of the operation, or coexisting complicatio s -- cardiac and pulmonary lessons, nephritis diahetes hyperthyroidism, ad vanced age debuity - constitute a particular risk. Milaor operations should be reserved for ether narcous Spinal aparathesia is contra indicated in Lyphoscoliosic and other marked annualise of the arrinal column diseases of the rantral nervous system profound chock or marked hypotension from other causes serous and fevera of unknown onein forthermore le neuropathic individuals and where there is a strong prejudies against the method Soppurations and eruptions near the desired site of injection forb d the use of epinal agreethesis until aseptic cooditions can be established

Peterson R.: A Critical Review of Five II admit Published and Unp bil hed Cases of Abdorn In I Cenareon Section for Echampia. The Gynes See Boston 0 4 M y By Surg Cynes. 4 Dist.

Sions the 500 cases of abdominal creaters section represent the work of 250 questions they are rely last most at the present estate at the person estate the terminal of the method of it ing notiferation echangua. Mos anne the results of operative abeteries, especially abdominal searces operation, are far heter at the abdominal searces operation, are far heter at the search of the search operation of the search of the search operation of the search of the search operation operation of the search operation of the search operation operat

lletween 1905 and 1013 there were 283 cases of exhamps tracted by abdominal cessarean section sight 73 destabs or a neternal mornishy of 2579 per cent. Up to 1905 there were 195 cases 1th 95 deaths or mortality of 479 per cent. Hence the maternal mortelity in the five-yeer period has been reduced one 21 yose-him.

The old figures of a an nr 50 per cent maternal mortality from behammal essurean section for eclampais are incorrect and should no longer be

quoted The mortal ty percentage quoted above as 79, can be considerably lowered by cars in technique and avoiding the use of the suprapulse route when there is great probability that the woman has been infected from below

Nearly one fifth of the other series, or operations were performed by thirteen men heving five or more cases in their cred t with 17 deaths n a material mortality of 868 per cent Deducting 15 cases

pubically and transurethrally many times and proposes a simple treatment of injection of Bulgarian bacifu directly into the bladder in such cases

The patient was a young woman who since the birth of her last child four years previous had had a terrific cystltis with a constant profuse hematura accompanied by the passage of many bits of calca reous maternal She suffered for several years an increased frequency of urination amounting to every fifteen minutes day and night There was also great pain on unnation considerable loss of weight and marked angenia She had had an opera tion two years before supposedly for tumor of the hisdder done by a surgeon in a small town but

was not reheved by the operation The patient appeared at the Washington University Hospital May 1913 suffering from the symptoms described above. Her general examination was negative except for the angenia and loss of weight heart and lungs negative abdominal examination negative urine bloody and alkaline Cystoscopic examination showed the hladder capacity to be 150 ccm. The cystoscope showed a general intense acute cyatitis Over the trigone and bladder base were seven irregular projections covered with a s lvery white deposit with irregular surfaces which were downy. They were fixed to the bladde wall and only the superficial downy part could be moved about Around the base of the tumor was an intense hyperamia with bleeding spots There was n annular hand of the nerusted material around the internal onfice of the bladder neither ureteral ornice was visible. The unite was

negative for tubercle bacill It was thought that the disease was incrusted bladder tumor Repeated local treatments with many high frequency sports produced no improve ment A specimen of the inmor like mass removed with an operating cystoscope and examined path ologically showed it to be composed of two zones n upper some of necrotic tissue in which were im bedded masses of calcargous material beneath this was a zone of granulation tissue. The squamous epithelium of the bladder persisted in places and there were several villous like masses present. The diagnosis was chronic ulcemtive cystitis with cal

careous deposits

S prapub c cystotomy was performed bladder was thoroughly curetted and the tumors excised with kinde and sensors and the whole interior of the bladder treated with high frequency sparks The opening was closed catheter drainage be ng done through th urethra Within two weeks the cystoscope showed the identical picture as before A recurrence of the tumor like masses an incrustations The patient was then curetted through the urethra many times and a few days after each curettage the same pictnm had recurred I zamination of the m terral showed it to be com posed of calcium phosphate triple phos ammonium urete. Urine was highly alkaline with 2 proteus infection 1 trestment was given of

borne acid arrigations acid sodium phosphate and protroppe in large doses The attempt was then made to change the chemical reaction of the urine by putting acid directly fato the bladder. It was thought that acids themselves gave nn effect on account of the frequent evacuations of the hladder The author then injected Bulgarian hacilli with the hope of having some remain in the bladder hetween the numbry acts to grow and to kill off the original mhabitants This was very quickly accomplished Within forty-eight hours the patient showed im provement She was given daily injections of three tablets containing six thousand bacteria cach every other day for ten days Within forty-eight bonrs she began to pass off large quantities of this cal careous material

Six days after the institution of the treatment enstoscopic examination showed instead of the incrustation and tumor masses multiple ulcers At this time the urcteral orifices could be easily seen and cathetenned there was no renal infection Ten days after the first treatment the patient a none was highly acid but cloudy and she was able to sleep five hours at night. At this time one bachforde arrigation was sufficient to kill off the Bulgarian growth and the unne hecame clear still remaining send and has continued so up in the present time over two months since the first treat ment There is at present no setting of previous trouble within the bladder. The utine is clear and sparking. The patient has gained a great deal in weight and is having absolutely no unnary distress.

The author takes up various phases of incrusted allahoe cystitis giving the various theories arriv mg at no definite conclusions as to the pathogenesis but remarks that the combination of injection necrosis and supersaturation seem the most impor sant factors He gives a description of the two main types of incrusted cystitis namely the flat and the tumor like showing that the lesion is most commonly located an the trigone and internal onlice associated with a general acute cyatitis with marked hamorrhege The most distinguishing pathological characteristic is its marked tendency in recur He states that there is nothing important in the symptomstology except that the symptoms exemplify an intense cystitus and are charecterized

by the passage of stnny material The important diagnostic points are that the tumor masses do not show will that the down material which covers them is quite superficial nreter catheters being able to lift up only small whitish leaflets Removal with an operative cistoscope gives the most accurate means for diagnosis showing the intense inflammatory process with infiltration of salts Another diagnostic point is the intense cedems extending along the urether and at the meatus The most important diagnostic point is what Caulk calls a therapeutic test which consists in acidifying the urine, causing repid ev custion of the tumor masses, demonstrating the remaining ulcers, quieting down the cystitis so that tranmatisms of labor The greater infasication among the multiparm is probably due to their being on the average older than the primipate the average of the former in 77 cases being 32 6 years while the

average age at the latter in 397 cases was 46 years. The maternal martality in celampsia after ab dominal casarean section steadily increases with this age of the patients it being 23 53 per cent between the ages of 75 and 20 and 37 rr per cent between the

agea all 3r and 35

The number of eclamptic cases in the present

series ateadily increased from the filth month if gestation up to ill term also the farther advanced the pregnancy the lower the maternal mortality Unless the aseput technique employed in at tempt at deliver from below be known abdominal cresarean section is confra indicated so great

are the dangers of latal perstonitis when the patient

86

as indected. The high death rate of abdininal creations after operative procedures as shown by the fact that there were in deaths in any such cases, or a maternal mortal ty of 34.48 per cent. This 9 per cent increase in mortality over the total mortality as 70 per cent during the same period was undoubtedly due to separa alock, and delay in empty may the

The mortality is distinctly higher after abd minal cassican section in eclamosis if vaginal examina tions have been made prior to the operations. The danger increases directly with the number of examinations made and the lack of asepsus employed

Any abstetne cond tun which make delivery lie the natural passages prolonged and difficult may be an micration for abdominal creaters section to calcampas. If delivery be decided upon the nitem should be empited by the method which will peform the work, the quackets and with the least trauma and abock to mother and child. However it must be borne in much that there is more danger

al sepass when the pentoneal cavity is opened. With the present state of our knowledge of his operation for eclampas it cannot be denied that noder and more tread methods of emptying the uterus in eclampas give better results in eclampics with sormal pelves and soft parts hence should not be lightly discateded in favor of the more halling and more easily performed, addom all operation

But with a maternal murtality after addomaid casarcan section of 16 Sp eccent in roj cases of eclampasa za one senes 12 rg per cent in 76 cases where on another and 75 per cent in 66 cases where the uterns was emptied after a few convilsors, the peration under consideration has reached a stage where it can no longer be disregarded by obstericians who have based their opposition to the recedure upon attaintim which were altogrither too high

AMERICAN ASSN GENITO-URINARY SURGEONS

MEETING HOLD AT STOCKBRIDGE MAT 15-16 1914

Keyes E. L. and Mohan If The Pachogenesis of Renal Lesions from Pyelography T Am. As G U S resens Stockbadge 9 4 M y By Surg Grace & Obst

Keyes and Mohan have compared the lessons found in kidneys whose parenchyma shows infitration as result of prelography with the same featon experimentally produced upon dogs clude

f Mannentary distention of the normal kidney pelvia doubtless causes no more damage than a con gestion of the organ which co gestion is doubtless of brief duration

2 But if the pressure is kept up there is as Zachnsson suggested an absorption of the injected fined into the blood vessels and lymph apaces about the kidney privs

3 Although like Zachrisson, the authors have been unable to detect any collargol lowed into the collecting tubules nevertheless they have found collargol in the glomerula and in the consolited shoulds.

thouses.

4 But maximuch as there was much less collargol within the glomeruls and tubules than in the lymph

spaces and vessels they conclude the appearance of the collargol within the glomeruli and tubules is a accretory phenomenon

In actual practice however a secondary in filtration due to renal retention following the examination must be considered 6. This second ry distention is of lar greater im

portunce than the primary retention at the time of a pertion 7 Secondary retention is the cause of the deaths

y Secondary retection is the cause of the dealing that have been reported from pyelography

8 It is probable to t the mechanism of infiltration in these cases is the same as that of primary retention in normal kidneys

g Al rizing symptoms following py lography

are to be releved by immediate drainage of the kidney or by nephrectomy

Caulk, J. R. Incrusted Cystitis. To Am Am.

Caulk, J R. Incrusted Cyettels. Tr Am Ass. G U Surgeons Stockbridge to 4. May By Surg Gynec, & Obst. The author reports an interesting case of a te-

The author reports an interesting case of a recurrent incrusted cystims occurring nalkaline rine in a patient who had been operated in both supraPedersen J An Unusual Case of Prostatic Car cinoma Originating Apparently in the Subcervical Glands T Am Ast G U S goost Stockbudge 1914 May By Sung Gyner, & Obst.

I forty seven year-old man of good physique suddenly developed hematum and frequency of unnation Cystoscopy showed n large mass over lying the tipnon Transpersionael cystotomy (October 30 1973) thoroughly exposed the mass. It was found to consust of two almost symmetrical halves their inner surfaces in contact the respective peckles springing from points proximal to the internal sphincter. The two masses and those portions of the prostate from which they spring were removed. Convolvences was uncreased. But they are the control of the provided of the carcinomia though their care evidences of intra abdominant studies in the pathological examination proved the growth to the carcinomia.

Gibson C. L. The Advantages of a Low Table and Other Points in the Technique of Suprapubic Prostatectomy T Am Ats G U S gons Stockbridge 1914 May By Surg Gynec & Obst.

The lon table posting means that the patient has ato nhs back on a table so low that the operator has actually to lean over when councetting the present the three hours of the council table to the present a satually two to depress the abdominal wail and allows the full use of the entire force of the fingers an undesting the prostate. This position is of par numbering the prostate of the position is of par the prostate of the position is of particular the prostate of the position is of particular the prostate. This position is of particular the prostate of the position of the prostate of the prostate

It is of great importance to provide for free drain age and prevent the formation of clots. The drain age is best performed by using a short tube robber or the special tube of Keny on with an interior diam eter of at least an inch. Then some form of suction apparatus which can be improvised by a simple struchment to a hathtuh or other faucet is applied at once as soon as the patient is returned to bed which should be done with all possible dispatch The wound is thus kept absolutely dry no clots form and there is I ttle opportunity for infection to the space of Retzius The large tube | remo ed in three to fived ys A small suction catheter a then allowed to rest just with n the I ps of the bladder wound which will tend to close ery rapidly Meanwhile the patient is kept perfectly comfortable and dry With a little man gement the suction apparatus can he spplied when the patient sits up n a chair

Chute A. I... Some Things that Influence the Mortality all r Pro talect my T Am Ass G U S rgom Stockholde 9 4 May By Surg Gynec, & Obst

The author hased his concl sions largely on a series of 53 consecutive prostatectomies with but a

single death. He felt that this was an average series of cases and the application of the same methods should give practically the same mortality in other series.

His conclu ion was that the danger in prostate comy hes almost wholly in the renal condition. There are two rend conditions that may endanger the hife of the patient who is about to submit to prostatectomy. The first is renal suppuration pyclonephnits combined with back pressure due to a residual the other and especially dangerous endotions. In that where there is a chromotally over distended bladder with a non infected urine. Many of these patients are in condition where an ill-considered anesthetic will cause their kidneys to show does and they due in from two for the contract of t

fifth mortality following prestatectomy is to be avoided first by getting kindrey that are not doing their work into a condition where they are acting efficiently, second by avoiding injury to embar raised or susceptible ladneys at the time of operation of the control of the

Cumingham Jr J H The Operative Treatment of Carcinoma of the Penis Tr Am Art G U S great Stockbridge 19 4 M y By Surg Gynec & Obet.

The author emphasurs the importance of dealing radically with Caranasson of the penus and describes the author's method of operation. As a specific castal factor as this descess phimosis is mentioned and to substantiate this were the rate occurrence of the descess emmig Jens is cited Implantation of the desces by contact with a cancerous cerver maturant degeneration of veneral warts and the designment of the disease on the scar of healed syphilitic chaoriers is mentioned.

The pothology of the subject is considered. Special reference is made to the location of the metastases and the lymphatic system of series and exceeded and illustrated. It is attend that metastases occur easily—in the inguinal glands—are usually histered and that the deep group and series occur, and the contract cannot shack often at any metastases are frequently not removed at operation and in consequence it is from these nodes that recurrences become manifest.

a more thorough inspection of the bladder is possible and permuting preter eatheterastion in order

in earrune the upper tract

The author a am is to call the attention of the profes ion to the treatment who he becommends lie takes up the dirt u on of the usual treatments which have been employed u that as the pallittive, consisting of irractions annithtions and internal medications which he is produced no besting effects no curvative results and the aurpeal uprapulue, no lovescal and in rate firms cert veloc-ragin I nall all these operations there has been either therough curvature or examin with or without therough curvature or examin with or without the profession of the profession which or without the profession of the pallitted profession of the professio

Curtiage through the urchire has been the most commonly accepted method but the one which seem to offer the lest results I as been suprapsible excision of the tomor masses with closure of the mucous membrine. In the author's case all of these on those were employed with the racepts in of the auture of the mucous membrine asker escal in of the auture of the mucous membrine seaker esci. I and all of their enthols user promptly followed by a complete currence within forty of hi hours and all of their enthols user promptly followed by a complete currence within forty of hi hours of the principle of the principle and the second of the second of the principle and the second of the principle and the second of the se

The author restages that the profes a has looked apon this treatment with texture that he exhibit nearest will be green a chance. It is a problem of a bretenst battle in whi has apreces of leaf irs outno the order and in this case the lactic acid bacilitavembelmed the protess.

The paper is concluded by a 1 m experiments which attempt to how the harmles news of the Bull garden breall to the Buldder mucous membrane. The hadders of several animals were injected with three haddle and in or care was there any influent try change in the bladder mucous membrane e on after it had been traumatused.

Darney J Dr Observations on the Seminal Vertices. T Am Au G U S g Score Stock bridge total My By St Grovec Would The author briefly reviews the work dane by others along experimental and el nicel here which has

thrown baht upon the physiology and histol gy of the seminal vesicle. He then desembes some I his

on a work an the sem nal estel

The presence it elisate tassue has been all was no mornal and pathological spec mers. Nemrolly at a relatively large in an unit initiated almost shouly as the relatively large in am unit initiated almost shouly as the product of the present of th

A careful study of the connective tissue of the seminal couch shows it to be present not only in health but also in disease. In infants it is relatively scant) ita location corresponding pretty closely with the elastic fibers. In the normal adult vende

its presence as well marked

labretion of the seminal vesicle seems in rends inversably no the depost of very large amount of connective tissue which not only produces sleeply of the muscular handles, but by an contractor distorts obliterates of detends the glanding carry. Disaction of numerous specimens shows that this fibrous it see not only best within but outside the servinal vesicles so that they are embedded in a dense cake of plastic enactive. It is this which makes the production of first in certain cases and the rescribion sometimes almost sepons ble

The author has further demonstrated the presence of large numbers a sympathetic nerve fibers in the per executar tissues an observation which does

not seem to have been made by others. Briterological intertiginitions have thus far shown to contents of the seminal would to the stellar which is contently to the finding of others. On the other hand, a careful in statigution in one case of the other hand, a careful in statigution in one case of the has advant as it is contain because an other other has advant as it is contain because as in the more hand, and the work of Romenow on the stomesh and append a

In a case in which orchodectomy had been per formed some years previously the sem not study on that add was found in have disappeared entirely an observe tien which press with the of other writers O to their band as case of undescrould tests: I the arresponding seminal vesicle was found to be normal; uses and in the sam condition

of I se se as I lellow

Verarch I the prochests pall das to two autorys special as a fasan dying of congenital sixphale has a led thus f r to find the rigan am. The sixther has done a row fee below until of ski in greater of the sem nal exct with coil rigol both in the rings and he are a fee contains. It may be set to the contains the false of the rings and risks list is the ampoint of the sem and risks. I us the ampoint of the sem and risks list is the ampoint of the sem and risks list is the ampoint of the sem and risks list is the ampoint of the sem and risks list is the ampoint of the sem and risks list is the ampoint of the sem and risks list is the ampoint of the sem and risks list in the ampoint of the sem and risks list in the ring list of the sem and risks list of the rings and any the rings and the rings and risks list of the rings and the rings and the rings and risks and the rings and risks and the rings and risks and rings and risks and rings and risks and risks and rings and rings

It the auth r behel not confirmed ab yet the n exol es ulits the protect is quite as extense et al. It a lace which would explain, in part some of the poor results of operations for drain g of receive. If the seems I are the extense are the seems I are the seems I are the extense and a mind record considerate, but exact haten or I resh infections of journs hitherto quiescent. MacVillan J A. The Technique of the Perineal Operation for Extirpation of the Rectum. By Surg Gynec. & Obst.

The most important part of the preparatory treatment is a colostumy which should be dane one week before the radical aperation. The radical operation may be divided into four stages

r After thorough dilatation of the sphincters an incision should be made at the mucocutaneous sunction and the bowel dissected from the sur tounding tissue This can be done without destroy ing the use of the external sphincter The first stage of the operation includes the division of all the structures up to the levatar am Before the division ni the levator the first stage should be thoroughly completed and the hamnrehage controlled with pressure

2 The fibers of the levator am may be readily divided by passing a hlunt hook above a hundle of them and drawing downward on the hook. This procedure is repeated until the muscle is completely severed When this is completed the hamorrhage should again be controlled and a through exam mation made of the motility of the bowel and the extent of the disease

3 The pentoneum may be entered by a hlunt instrument and separated antenorly and laterally from the bowel leaving the mesosigmoid as the only attachment Should it be necessary to divide this, care must be taken in preserve circulation. If the mesentery be severed remotely from the bowel wall the artenal supply will be assured

The fourth stage consists of the excision of the diseased portion of the bowel suturing of the distal end of the remaining bowel to the skin and the provision of adequate gauge drainage postenorly

11111 T C. Anal and Rectat Growths of Benign or Doubtlut Character T 4m Prec See Atlantic By Surg Gyuec & Obst. City 19 4 June

If it states that so a personal series of 3 000 rectal cases pre sously reported there were 49 benign and 76 malignant growths I the rectum The large majority of these tumors were characters tic and the differe tial diagnosis was easly made Still a lew mai gnant growths even in an ea ly stage and in some u u I benign types associated with ulcera tion as well as in some of the perioct I abscesses and f tota located bove the les tor an muscle were of su h an man uni nature that the sact de gnosis was not easily det can ned

The writ emphasized the falt that the operate meas res t be mpl yed differ rad cally 17 each of these conditi ns An act ion of the ri tum is ne cessary for the mal gn nt cases a mple loc t cr son is all that is req red for the ben go growth wh reas int ion not ira ge will uffer I ribe becesses and fi tule. Therefore a doubtful case c nn t be treated as bre t se in which a complete amouta tion for a be go growth may be just ned. In the

a high mortality and a erinus impairment of function as well to be considered Furthermore the removal of a specimen of a suspected tumor is not now approved and this complicates the problem still more

The historica of several cases which illustrate the doubtful nature of some borderline conditions occa sionally found in the rectum are cited They tend in show that aside from benign growths, some nf which have many of the characteristics of malig nancy there are certain abscesses which develop in the loose cellular tussue of the retrorectal and pelvi rectal spaces which are even more so These for durated arregular swellings bulging lata the rectal ampulle at first resemble very closely the sensating imparted in the finger in mahignancy A little later they become soft and boggy and fluctuation is per centible when all doubt as in their nature is removed The sinus from an nid fistulæ occupying these same spaces is ant to be much more perpleaing than an abscess As the slaw suppurative process goes on the rectal wall is crowded into the lumen of the bowel and assumes an irregular indurated outline which is very suggestive of cancer Other conditions of similar doubtful character such as gummatous growths and tubercular ulceration are also discussed

Yeomana F G. Cocrygodynia; a New Method of Treatment by Injections of Alcohol 77 Am Proceed Sec., Atlantic City for4, J no

By Surg Gynec. & Obst

Simpson of Edinburgh first described the disease as a definite entity and gave it the name of cocca godynus in 1850 The main etinlingical factors are trauma exposure to damp and cold taxamia and inpetional and arganic diseases of the central ners nus system as hystena ar tabes dorsalis. It usually occura in wamen

The symptom is a characteristic spasmod e nehing pain in the region of the coccys which is increased by setting or rising and at times by urmating or defe cation Pain may be localized or radiated to the

bladder or permeum

The dagnosis is established by a thurough ea ammation both general and local The former includes particularly the nervous system and spinal column in womeo the uterus and a inexa and to corn the prostate seminal ves cles and urethra Local examination is made by inserting the index finger me the rectum and palpating the coccyx between it and the thumb out ide The position contour mobility and tenderness of the coccyx are thus determined. The soft parts intervening be tween th coccyx and anns are now compressed and the point of maximum tenderness is thus focated u ually just beyon f the tip of the coccyx Careful saminat o is m de of the anus to exclude fissure r flammation of the crypts of Morgagni blird internal tistula hypertrophied anal papular and fore an bodies I roctoscopy rules out rectitis
The prognos butherin has been better in the

traumatie ses th n in those of frank ocuraleis or

It is pointed out that the metastasis to carcinoma of the penus takes place along the lymphatic chan nels of the penus in the soperficial nodes that these nodes anastamose with the deep inguinal group, and these in turn anastamose with the diac nodes within the pelvis by way of the crural canal It is also shown that the lymphatics of the urethra may carry metastases via a lymphatic channel which passes over the symphysis to the pelvic nodes without communication with the inguinal nodes when the growth has involved the urethra

The operative steps are illustrated and the descripting is as follows

1 A condom is placed over the penis to present implantation of cancer-cells during the operation.

2 A swreping U-shaped focusion is made begin mng slightly above and in the finner side of the asterior superior spine on one side downward in the inid of the groun to the root of the pens and upward no the other side This incision, which passes just through the skin outlines an apron which is dissected upward.

J Ao micision just passing through the aklo is made downward ver Scarpa a trisogle from the center of Poupart a bgameot The skin is dissected

inward and outward making two flaps 4 Beginning at the top of the abdominal in cision the fet which contains fymphatic channels is dissected in one mass from the abdominal fascia This dissection is carried downward into Scarpin a triangle on either side. The superficial nodes are removed still imbedded in the fat if possible orrhage during the abdominal portion of the dusection is slight but as it is carried over Poupart s ligament into Scarps s triangle the superficial epigastric, the superficial circumflex and the superficial external pudic vessels must be secured beneath the fat mass as they come through the fascia If the lovol ement of these nodes is marked the growth may extend through the lasca late to the deep

inguinal nodes as one mass in which event the

fascia is divided if necessary to continue the dissection into the crural canal. If the mass is not con tinuous from the superficial to the deep nodes, the fascia lata is divided and the deep nodes freed from

the femoral vessels and removed. g The patient is then placed in the lithotomy position. An incision is then begun at the root of the pens passing around both sides untiling be neath and continuing along the raphie of the irro-tum, baseting it. The suspensory ligament is divided and the dorsal yessels of the penis secured The penus with the attached fat mass from the abdomen and groups is drawn downward. The dissection is carried on until the attachment of th crure to the pube rame is met. These are clamped close to the bone and cut away. The stump is transfixed and tied and on hamorchage results. It is necessary to clamp, transfix and tes for the is necessary in camp, transics and in an acceptance to the crure may otherwise retract and cause troublesome harmorrhage. The corpus apon grosum is freed at a distance of about three-quarters. of ao inch in front of the bulh and cut across at this point unless the membraneous arethra seems aufliciently long It is better in leave too much than too little nrethra. The whole mass the abdominal and incurred fat containing lymphetics and nodes the penus and the crure are theo removed in one mass

6 The cut end of the urethra is then stretched to the lower patt of the permeal factoon and a self containing catheter placed through the arethra a to the bladder. A drain is placed in the periocum about the urethra also in the wound of the abdominal skin apron on either side and both in the

mension and in Scarps a transple
7 The manne of auturing the acrotum whereby at is lifted upward as important so that it will not

become soiled by urine The author a operative results and those from the literature are considered inflowed by case reports and a h hhography

AMERICAN PROCTOLOGIC SOCIETY

MEETING HELD AT ATLANTIC CITY JUNE 22 23 1014

Holding, A. F Pseudo-Intestinat Stasis and Reul Intestinal Stasis, Dem natrated Rontfenologi cally T to Proc See Ald to City of a June By S tg Gynec & Obst.

Holding called attention to many anomalies of visceral position and progress of the bismnth meal that had been interpreted as pathological and which were really physiological nr anatomical nd completely compatible with health laying stress up-in the fact that the deum enters the coccum normally at an angle and unless associated with proximal diste tion, a diagnosis of Lane a kink is not justified

H implusized the point thit delayed progress of th humuth meal is not aignificant of abstruction unless t I more than 6 hours behind the normal schedul and associated with marked distention of th viscus proximal to the locus of abstruction. Proxim I dist ation with abstructio to the bismuth column are the two cards al diagnostic points of real intest nul stases I test nul obstruction due to tumors is mu h easier to diagnose than intest; al stans because the delect in the hismuth shadow made by the tumor 1 m re definite than that made by adhesions eils or membernes

MacVillan J A The Technique of the Perinrol Operation for Entirpation of the Rectum T Am P octol Soc Atlante City 1914 J ne By Surg Gyner, & Obst.

The most important part of the preparatory treatment is a colostomy which should be done one wrek before the radical operation. The radical

operation may be divided into four stages Alter thorough dilatation of the sphincters an incision should be made at the mucocutaneous junction and the bowel dissected from the sur rounding tissue This can be done without destroy ing the use of the external sphincter The first stage of the operation includes the division of all the structures up to the levator am Belore the division of the levator the first stage should be thoroughly completed and the hamorrhage controlled with pressure

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ititt T C : Anal and Rectat Growths of Benign or Doubttut Claracter T ta Ire See Atla tic Ci) 914 June lly 5 r Gynec & Obst.

Hilt tates that in a personal series of 3 000 rectal cases pre sously r ported there were 49 benign and 76 mat grant growths of the rectum. The large majority I these tumors were characteritic and the diff remtal diagnosis was eas ly made Still s t wm tg ant growths seen in an early stage and in some unu ual ben gn types associated with ulcera tion a welt as in some I the perirretal abscesses and fist he located above the leval r and muscle were of such an unusu I nature that the easet lagnos was n t a its determined

mph ed th fact that the operative The writ re asures to be repl yed d fer radically in ach of these condition in a not the rectum is necessary I oth m tg ni ses assmile locatea a on is that too reit tithe being growth whire sair tion not age will suffer if the abserses and f tule Therel re a doubttut case c not be treated's bre at we nahich complet amputa to traten an growth my be y ifed In the

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Leomans, I' C.; Corregodynia a New Method of Treatment by Injections of Alcohol T Am Procted Sec Atlantic City 1914 June By 5 rg Gynec, & Obst.

Simpson of Likoburgh first described the disease as a definite entity and gave it the name of coccy godynta in 1859. The main etiological lactors are trauma exposure to damp and cold toaxmia and functional and organic diseases of the central nervous system as hysteris or tabes dorsals. It usually occurs in nomen

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bla lder or permeum

The diagnos s is estallahed by a thorough ea amituation both general and local The lormer includes particularly the nervous system and spinal column in women the uterus an I adness and in men the prost te seminal vesicles and urethra Local ximi ation is made by inserting the indea fager into the rectum and patriting the cocry a between it and the thumb out ite. The position contour mobit; and t n lerness of the coccys are thus d t rm red The soft parts intercening be tween the coccyx and anus are now compressed and th por t of m aimum ten lerness is thus locate ! usually just be on I the tip of the coccyx Carelul exam tio is male t the anta t aclude fissure. inflaremation of the crypts of Morgagni blind i teroal fitula hypertropised anal papetler and fore gn & fees I roctoscopy rules out rectitis

Th progress butherto has been better in the traum i c cases th n in those of I ank neuralg a or seunts. The writer confidently predicts that the treatment proposed will render the latter equally

amenable to treatment.

The methods of treatment that have been employed with varying results lockled local applications, electricity subcutaneous divisions of the muscles and lagaments attracted to the sides and up of the occyx (Sunyson) and finally resection or excession of the occyx (Sunyson) and finally resection or and coase where the occyx title? It deseated or not cases where the occyx title? It deseated or not case where the occyx title? It deseated or pain not thevod. These theraporties methods rested on the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit of the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit on the occyx proper while to fact we are dealing fit on the occycle of the occycle of the occycle occurs of the occurs occurs of the occurs of the occurs occurs of the occurs occurs of the occurs occurs on the occurs occurs occurs on the occurs occurs occurs on the occurs occurs

of the coccygeal please of nerves

The writer proposes a treatment based on the
suggestion of Schlosser in 1907 of injecting in to 8n
per cent alcohol in sensory nerves, thereby causing
their decreation as practiced with marked success

to trilacial neuralgia

The technique is simple and can be carried out in

the office under strict aspite pressumes. The patient with simply bowel as placed on a table in the Sims position and the skim about the coxyrpainted with incurve of iodine. A z cm. Let or similar gyringe is filled with 80 per cent alcohol and armed with a two ioth needle. The right indefinger is inserted into the rectum and the position maximum tenderses is determined by counter pressure with the thumb outside. Maintaining the larger in the rectum in guard against punctur and as a guide, the needle is notroduced through the mice directly to the passidal spot, and to to so must

are injected alowly.

The needie is a subdrawn and its puncture sealed with collodion. The pun from the injection fasts of the collodion. The pun from the injection fasts of the winnets and is followed by a dull also which may last a day or two. From three to five injections are usually equired at between 30 shown, treated. The writer reports setsec cases all women, treated the contract of the c

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The methods of treatment that have been employed with varying results lackude local applications, electricity subcutaneous divisions of the
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excision of the cocyx (Thilaux, 1885). The latter
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Examination of hidney function in preparancy R T Jaccurez Ziehri Fyrnik. 100 i g it vays. Effect of pregnancy on the provided malignant tumes. Effect of pregnancy on the provided malignant tumes. The provided preparation of the provided provided

in the new born. J lanz Oryoskèp 9 3 km 163 Effect of obstetrscal depression of the skull on the nes-born inlast and it bodily development its Grossus

born infant and it bookly development.

Zuchr I Geburch a Cytak 10,3 kev o (66)

Obliterating cholaspine associated with harmorrhage of
the new born. R Develus Long Island M J 19,4

[66]

A new series of 75 cases of twin prepriancy with one over implicated leads the uterus and the other outside. F Nov Arteriances Gyash Randschau, 9 3 vs 809 Trestment of sterlity in woman. Over Therap d Gegenw tota,f ha

Chuna and experimental study of the effect of thyrod substance on labor pains I Mozantzez. Zuchr. [6] Gebrith is Gynk to J. kave 26 Two subdopagus grik. Le Frillatze and Ausoura: Pana méd., 19 4. No 12

GENITO-URINARY SURGERY

Kidney and Ureter Anatomical clinical disgrous of the genit suprarenal syndrome Gallais. Rev de gyaée et de chir abdom 19 4 221 0 2

Variation in the adrenalis content of th uprarenal capsules after different anasthetics. C Ourra of t mor of the suprarenals with discussion of the se

menclature of tumors J Oatn bets agab d Le press Alad d Rus 19 4 name a view 19 4 Hyperephynome with long standing symptoms of strengt deficiency with selerodarms and selerodactylis II Broons J Cutan. Dis., 914 rss., 212 [57] Renal calculus. J B Lurius Urol & Cut. Rev

Residential Communication of the residence of the Communication of the Residence of the Res

914 zi 60 hidocy and many bladder tones peculiar in kind of formation J D Brook Urol & C tan. Re 19 4. Calculus numa report of case L FRANK

& Cutan Rev 014 Xvii 6
The deferential diagnosis between kidney lesion ad

Post domine tuberculous of the space II W One Urol & Cutas Rev 1914 rus, 13 [63] Trestment of ubculsavors ruptures of the indice from 75 cases Povosakret Beste kli Clur 1914 lexist, Nos and 3

Hose and the comment of the kidney of P P CASTREATO Tomman tops is:

Clinical study of the syndrome 1 movable ladne; B LOCHEST J dural 924 No 1 Lichney tamora, Horstery Bestr kha Chir 19 4 lwgut N

D seases of th kedney tumors aephraiga. Pource Med. klm. Bert 19 4 N 6 S ppuraturg polycystic kidney Trinavir; and Drooker. Bull med chir de l'Indo Chane feanc 914 TRUBAULT and

A case of double polycystic kidney Chanver Bull et mem soc de med. I de climat de Vice 9 3 serv 0 6

Copensental study of hydrosephrosa E Rorrezt-Bestr path Aust alle Fath 9 3 bu s94. Fredere heatershage in the capatio di b history fron medico-legal possit of view Times. Monatchir f U like R frashchew 90 x x, 597. Luday herisorinage is herisophilacs O Maxzinwaz Zuche f Und 0 3 vs 485.

Datherma and lectrocoagulation in urology II Nontrio Med. Kl a Berl 1914 14 A ample apparatus for determin ag the chlorides in the unne (chlorometer) R WEISS M nche med. Wchaschr 19 3 lx 84 Examination of the urine for koch a bacilla Gauteren

] durol 194 v Vo

Technique of radium mesothorium treatment in urology H SCRELLER Strahlentherap 913 : 531
An unusual case of tuberculous of the urmary tract.

I Isaart. Deutsche med Webnache 1913 xxxxx

Present treatment [genito-unnary t berculous Dr. QUERYATE Semaine med sous xxxx . A

SURGERY OF THE EYE AND EAR

Eye

The technique of the operation of sclere-corneal treplining for glaucoma R II Ellior Lancet Lond. 1918 Angioma of the lids and bow [I B LEMESE Arch Ophth 914 xhu, 1 6

Ophth 914 sha, 1 6
The Indian operation for cataract F B Trivave Med
Fortuphthy 194 at 3
Sindid for Gracic cataract kade and angular keratome
F P Lawrs Ophth Rec 1914 zum 135
Oph hundred cataract uses J L Dickey N larg

M J 1914 vm, 304
Treatment of severe scute infections in the region of the orbit Schieck Deutsche med. Webnisch 914 zi No 6

Clinical case of exterpation of a tumor of the orbit with Chinal case of extransion of a times of the dark with preservation of the eye Doccer. And d land y lib de non med, de Catalunya, 94 val. \(^1\) A contribution to the tudy of endogenous generalizationnes affections F Proces left Ophth 94 la,

An un ual complicated case of sphenoudal abscess causme emblyopes C M Hanns Ophth Rec 94 mit

Ing emotyopes

If transal operation on the lackrystal size. Hetels

It install operation on the lackrystal size. Hetels

It is the lackrystal which left year. Year

Note of the size of the size of the sames of the face. Hetels

It morbital complications in sect and throat disc sec it the sames of the face. Hetels

It morbital complications are act and throat disc sec it the sames of the face. Hetels

It morbital to the size of the same of the same of the face. Hetels

It may be a size of the same of the size of the same of the face. Hetels

It may be a size of the size of the same of the size of the

1 97 U usual es un nes E (I Iavr. Mex M J

9 4 25, 37
Everyday ey nyunes F L Tra Mex M J
9 4 25, 82
Report of case of teel lodgs g at h sclera F L KRID 8 Ophth Rec 9 4 Ti 33
A new operation for detached reuse F B Three To

A REV OPERATOR IN COLUMN THE STATE OF A ST

Rec 94 xxxx 17

Traumatic leason of the estibule Russe I ternat.

Triumatic jesson on the remote Kerker i termat. Zentrabli I Ohrenheilu i Rhino-Laryand 9 4 zs. r. Some diseases of the ternal ea treated with radium— epithelia Carcinoma surroma, tipues and tuberculoma-Uza utracturiscii Strahlenherup 19 4.1 N r. Disease of the external cast I amudating middle ta disease I R C spreyers N Mer M J 9 4 zs. 8 Oue paralysis of the external oculomotor with in 1 e

ment of the tofacul Gio oux Rev hebd, de laryngol d'otol 1 de rhand 1914 att 10 6 Plugs of cerumen and supportations of the middle ear

Lancotto Deutsche mil arzti Ztachr 10 a alui 1 Thology of diseases of the internal ear in mumps Voss. Ztache f Ohrenbeile to 1914 lax Nos 1 and 1

Acute obtas media with secondary paralysis of the ab-ducens Laman'd Berl Lim Wehnschr, 914 h, No 7 If amorrhage from branch of the middle meningeal Street in the tribinas of the middle on Kirchwigh Zisch I Ohrenh ill. ic 19 4 kr., Nos and 2 Related ear drums [[[[416]] M] 1914 Mil.

Mastouditis Lithuisson J d prat 1914 xxviii No 6 M tood operation operative technique and dressing Morat. Gaz d hop 1914 lexxus to so Treatment in children of mustood woulds which heal badly B THENTRAL Zisch f Ohrenheilk etc 9 4

Two cases of mustosditis without perforation of the tympanum CAVPEIA Cron med 9 4 EXVI ho 506. Peculiar form of mastoidit s. LEMISSON Prog med

9 4 lu 10 4 1 report of two cases of otit c brain abacess show no th necessity of early mastered operation I Pristra

th meeting of carry ansaton operation.

M J g sig m 316

A radiographic tudy of the mastood. O A Lorentop Bostom M E S J g 4 clirs, 543

Non's pyurat diseases of the labyranth Nov Perchav Lancet Can 1914 Crt. 170

Perchave Case of cerebrospinal menungitis originating in Pethan case of the companial memanas originating in the labyrath osued by influents bacilly Sentance. Zuchr f Ohrenbell, etc. 9 4 in Non and 1 The effect pon the entolymph of the tatic l byrioth of local autogenous E P Iow. a Laryngoscope 9 4

I case f ot tec menungities and cerebella bacess with

secorery A I Bannes and W S Lenn Bre M I 9 4 587 Present tion of a patient radically treated for otorrhors

supplicated by cholesteatoma od subdural abscess Passon Traumana toplastic operation Excur Arch.
med de Toulouse 9 4 xx \ 0
P thological conditions the en nose or throat reflex to descare of the teeth I we or parotid gland C E. Inc.

to denses of the teeth 1 yes or parotted gland C. E. Ing.
Laryagowaper 104 xm 97

I pages to the bend, 25 and datumbranes. E. Address.
I pages to the bend, 25 and 45 and 25 and

W S TOMEN Indianpoles M J 10 4 FIN 40

I locrusted cystrias. J R CAULE. Tr Am Ass. G II Surgeons Stockbridge 1914 M y [86] I locut de cystrias J Fav-yoos J d'urol 1914 [73] 187 Treatment of stubborn cystrias by lodins fumigation. FARVARIER. Arch. urol de la cho. de Necker 19 4 1, Endoscopic treatment of t berculous of the bladder with high frequency current Hatts-Borns J dural, to 4 v No Cystophotography B Klosz Foka rol. 9 3 vm

90 Rectovenical echinococcus cyst. J B Squizz Ann. Surg Phila 1914, lxz, 396 T tal congenital ectopy of the bladder od total epis-padias Poszovsky Yrach Gaz 19 4 zm ho 3 A case of exstrophy of the bladder Corre I durel.

1014 v No Fracture of the penus A. O WHENSKY Ann. S or

Phila 9 4 lis 40

A case of duplication of the penss Larvert Deutsche med. Webnische 19 4 xl, No 8

Congenital cyste of the replie of the penss Study of Dournal Course of the raph G Fastri. Zische 1

Dournal Course of the raph G Fastri. Zische 1 Urol ors. was fir Aspiration in the treatment of chronic urethritis

CARLANT J durol 19 4 v No 1
Multiple congenited strictures of the arethra with coplications, operation recovery UTEAU J dural 924 v N s

Present methods of examination and treatment by arethroscopy If to texaser Budapest Orvon Unit 914, 14 1

Pelvic inteterolathotomy Caventus Ch Clu IQUA. NUL N The operative treatment of carenoms of the pens H Coveregray, Jr. T Am. Am G U Surgeons,

Stockbridge 914 M y A substitute for sutures in cocumonon S M Sixono Am | Borg 914 xxviii 1

Surgical operations connected with religious cults prelustone origin of circumcuson Betrootry Arch. prehistened origin in the state of the state

Attempts at treatment of reteation of urne without any mechanical obstacle L. Tukvevor Prog med., q y. sh, 6¢

C nital Organs

Spontaneous recovery I tuberculous of the vestwist following traumatism. Mosta Monatach f Unfall beil s in abdens 914 Rt. Condition of the grint mus and openions amounts intracted or insated with atract of testicle Q Townstar. castrated or treated wars at an action and 9 J EDZ, 1809
Abscess of the testicle J D Banvey Surg Gyeet [74] Absence of the testicle 3 D Banvers own 5-75 Methods (2 June 20) House the Control of the State 1741 I Longard's extension treatme t of cryptorchism J Borrez Reichs Vied vine 19 4 wests 7 Crural orchidopeny in the surgical treatment of immunal

ectopy of the testicle Avguespansse J de méd de Bordenux, 914 lxxv No 7

Espadophostomy with report of cases. C. P. Kvasar Am. J. Urol. 1914. 138 Experimental study of the histological changes which are found a the vas deferens t the pot t compressed in R Beature Berr. Morgani, 1914 14/18. Successful use of Goodin ght operation for varicocele A.C. Aues Med Rodd, 9 4 ESSI 10

A. L. AMSS acres worms, 9.4 EXES 10
Frostate weiging 4 or grammes 1 as old man of 80
Autours Arch prov de clar 1914 ma, No 1
Reddingrable diagnoss of calculud the protester region
Nontreal. Rev de I linop 1913 v. No 9
Iliparticulty of the protester protesteromy Max
Col. Rev de med. yer de la Habana 914 mx No 3
Frontinna. H. Wane. Am Surg Fibl. 194 | hg.
Frontinna. H. Wane. Am Surg Fibl. 194 | hg.

Prostatic bicesi caused by colon baculus. G. D Azors.

Riforms need 1914 EEF 511
Adenoma of the prostate. E Bern. Med. Rec. 19 4,
[75] Observations on the seminal vesicles J D BARNET Tr Am. Am G U Surg.ons, 9 4 Stockbridge, M y

An unusual case of prostatic carculoma originating apparently in the subcervical glands. J. Prostates Tr. Am. Am. O. U. Surgeons, Stockbridge 1914. M. y.

Prostatic hypertrophy II D Bresessica J Tenn St. M. Ass. 19.4. v., 48

Trestment of tertain cases of prostatus obstruction by contensation by the high frequency current. A. R. Struves, Am. J. Sarg. 94 xvvii 93

Supraphic prostatectomy. A. McLean. J. Mich. St. M. Soc. 19.4 mil. 69.

Improvements prostatectomy Lectrey] d.

best out axven No o

Protestedomy in a general surgical practice IL Little-trial. Ann Surg Phila 1914, hr 373 Hypertrophy of th prostat and Wilma prostatectomy Kulticaturer Desiache med Wichmich 914 R.

Suprapulse versus peruscal prestatectomy J B Destrax. Anno Surg Phala 9 4 ha 550 The advantages of low table ud other pos to in the technique of suprapulse postatectomy C L Grasov Y Ann. As O U Surgeons, 924 Stockbridge,

Alsy boys that influence the mortality siter prostates then Y L Cuerte T Am, Am L D Surgeons, Stockbridge, 19 4 May T J BENTET T S St

J Med 9 4 1 35 Prost inctomy under local agesthesia C W ALLEY Am. J Urol. 9 4 z. 14
Prostectomy in defective kidney function M W 10-

Muscellaneoux

Diagnosis in genito- many diseases its seniect is targent necessity methods by which it requirements may be met B Lawas by M J q a, m J G Coli infection of the unuary track a inflat y and child shoot N P M tast Clus J 19 4, 45th, 20

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SURGERY OF THE NOSE THROAT AND MOUTH

Nose

Rhinoplasty in lupus vulgans, Syronos, Med Line Berl. 1914, 2 No 6

A case of complete belateral bony occlusion of both mand choung A O Princer Laryngoscope, 1914 211 170

\ sopharyageal polyps and their treatment Scarrier
Gaz, 18k 914 xh, No 6
Simple operation for h removal of spurs and deflections
of the nasal leptum C P Livinary OhioSt. M J 1914

The submiscous resection of the raval septum A Dime-

Toy Cha. J. 1914 this 415

Surgical correction of the nose without an external scar
Bottagetra P as med. 1914 \ 0 3

Early treatment of fractures of the masal bones. II. A

FORTER J Ophth Otol & Layingol, 914 22 20 Some factors in maid accessory animalia, H. L. W. MALE. Chn J 19 4 zhu, 154
Diseases of the mass cressory sinuses E A Status.

105 Albany M Ann. 19 4 2227 22 Relation of the accessory usual sunner to one another J W Muney So th Calif Practitioner 10 4 mms, 66 Diagnous and indications for treatment of suppursts e disease of the asal accessory snuses. R. LEVY North-

west Med 014 vi 61
Pathology and treatment of supportation of the manal summer. Ranswitz. Arch | Laryngol & Rhanol Berk 19 4 xxvin N 2

Euppurations of the ethnord. Lanov: Ann de la

Policius cent de Brux 9 4 21

Throat

The symptoms of the pathological langual tonsil and ta treatment II Hars South Cald. Practitioner 1924,

Metastatic carcinoma of the tonsils Srott. Arch i Laryngol u Rhund. Berl to 4 xxviii, No 4 Hypertrophy of the faucial tonsil and 14 treatment. J Perce-Baow Casad M Ass J to 4 lv 8
Typical variations in the toosils of tonsillar region
descriptive and comparate a nationly development
GREWWALD Arch I Laryagot Rhinol. Berl. 914.

XXVIII, Vew experimental knowledge as to the physiological importance of the tonsis Hevez Arch (Laryngol

Rhmol, Berl 9 4 EVIII, No Fixed sources of 11 hemotrhage from tousillectomy ad ts absol t control J L DA rs Laryngoscope

Hemostasis during d following tonallectomy H f Dury: South M J 9 4 vu 4
The mare erms the Studer operations in tonallectomy H C Tono J Am M Ass 9 4 km, 674
A case of the adenoticities Bolton: Bol de med y

A case of the administration of the hundred and fifty at cases of beings t more of the laryer. Each Arch med de Toulouse 9.4 MI A. Calcufaction of fibromats of the laryer. Choracter.

Calcincation of shormants of the laryest Canaditation Med y knot | 9 4 kir. \(\) 6 Caronuc tenoses of the laryest T J Hurris \(\chi \) Y St J Med 9 4 km \(\) 4 Technique and results of injections of looked for pum in t bercular larvagitis D 4 \(\) \(\) ANDRESSOOY [Illustia Med y Med

T o cases of total externation of the larynx by Gluck a method. Borry Rev Ibero-Am de cien med 10 4

Straight direct laryngoscopy bronchescopy and esoph-gescopy R. H. JOHNSTON, Am. J. Surg. 19 4 Set of false teeth measurated in the larynx and opening

of the esophagus, extraction, recovery Massiza Arch internat de laryagol dotol t de thinol Pa 19 J

mercant de laryaged dottol t de minos ra 19 y xxxx4, N 3 xxx4, N 3 xxxx, N 3

Indexpectate favor to see gentlement intouctoom A-forborn? Vand Gaz 931; xz 786 part of the pharynx and estophages with returnation of the larynx for extractions of the laryngeal part of th pharynx. A. Hormany Bellt Lin. Curr 10 3 larsvu 33 Photoauca after 1041 removal of the larynx. Boxxx, Arch. Internal of belarped doted et de thusof Par

eg 3 survi. No 3 Advantages of Gluth a method of total laryagectomy

S HERNANDEZ Rev Ibero-Am de men med. 19 3 Exx Duciamos of Torck work Laryngectomy Following Gastrostomy L. Lavyr Zentrallol f Char 104 at 100 Tumors of the hypopharyns Genara Zixch I Laryngol Rhanol : Gentageb 193 vs. No 5 Pharyngectomy for epithehoma recovery lasting for three years and a half Amoutance Ann of mad of toretic,

three years and a same tele 9 3 xxxxx. N

Two cases of larymophisty operations for cancer L

Béname and Samovor Lyon char, 9 3 a N 6 [78]

Results of tracheotomy 1 dephtheria M Doory Venth Car to 4 zm, 6

Mouth

Case of tooth implanted in the vault of the palate KooA. Prakt Varch 9 3 m \ 50 Correcting the position of the pper jan 2 complete cteft palate Neckara Berl kin Weinnicht 9 4 h

A policiation of the eruption of the wisdom tooth Morris Rev de char 9 4 2225 N. Contribution to Many article, Odomtoms in the Astrum of Hamoure based on case of displaced wisdom tooth Warat Portschr a d. Geb d. Rönigenst

9 4 EM 3 Periodet I cyst and t berculon G Mascua and A Theraxe Loon by 9 4 M, 65 Ord sepus R C Rock are Penn M J 9 4

The dental spect of oral surpus. I h BROOMELL From M J 9 4 EVM 369 Macroplosma \encommonder F Wag 2 Disserta-

pon I red rg 0 3

TABLE OF CONTENTS

in

INDEX OF ABSTRACTS OF CURRENT LITERATURE

Dies T rei N R T The Secretal I Re-ears at of a Tumor from the I rental Region of the

Caurs J ad Rive C Hypophysicians and I remain all scounts

W 178 & M. Derrood Cyst of the Issue

II \UTIORS	-
III MONTHLY CRITICAL REVIEW	117-12
IV ABSTRACTS OF CURRENT LITERATURE	125-20
	207-23
BIBI TOGRAPHY OF CURRENT LITERATURE	20/-23
ABSTRACTS OF CU	RRENT LITERATURE
GENERA	L SURGERY
SURGICAL TECHNIQUE	Neck
Anesthetica	Bing, J On th F nctions of the Thyroid the
MrC ant M It But wrate Hawter Waccett	Supersenal and the Patintary Glands 13
	SURGERY OF THE CHEST
	Chest Wall and Breast
GW STREAM T The Technique of Oil Ether Co-	16 Octor E. Larly In olvement of the Glands in
Boomsay W M ad Sysperoup I The C bbra-	Cancer of the Breast
tion of the W Her Gas B lance and the Co nell	NATRICE ME Faily Discount of a Assolution of the
	26 Breast by the Histological Examination of the Historican Discharge
BOOTHRY W M 2nd Pz BODY F M A Compan- son of Methods of Obtaining M colar Ar 2	26 MERCADI, S Tuberrulous of the Costal Cartilages 13
son of rightness of Continuing in south a l	
Surigal Instruments and Apparatus	
Sincles D \ Retro-Until Cystoscopsc	tour count react onat Kesult T o and Once
(under for I termal Crethrotomy I	11 and, T Transple throng Fasca to Co er De-
	lects in the Wall of the Thorax
SURGERY OF THE HEAD AND NECK	LE ORNING C Charles
Head	Chest Wall Deformaty of the Thoran
Brown of C Carrinous of the Lower Lip Its	Treated by French Con-
In greet and Oper tive Tre tment Div 1 P Prese torq of th Upper Bran hes of	LITERATURE O P. 18
the I is I in the Total Remail I the I rot I	of the Medianimum, e cept the Heart
	135 Truthes and Lungs
VINCENT 1 The time tof I ract res of the It or of	Ca usa S recry of the Lungs and Picura 11
the h "I by Latly and Systematic Treps as g with them g of the Du a M ter and Men accal	House and Warre Langs and Picura
To m 11 11 The Incications for 5 rgs. I Tre 1	of a 5 ture of the Heart.
ment i i i er al T mor	
The W Allieus on the Present Postion of	We t. Le rims and M. sept. 100 Bra et a Opera- tion in a Case of Lacontrollable A ystole in a
F I t Cereltal urgery and Recent Document	
on the err	IJ Star P C and tritto Brauer' Operation in
Law as W Repairing Defect in th D by	
Tra plan then of I was	131

111

831

434 1 SURGERY OF THE ABDOMEN

Dever R F and ROWNERS L. G. Perstoned and Persel theorems with Reference 1. Postural Treatures.

Abdymmal Wall and Personners



TABLE OF CONTENTS

1	INDEX OF ABSTRACTS OF CURRENT LITERA	TURE U
ū	Attriors	XI
ш	MONTHLY CRITICAL REVIEW	117-12.
ıv	ABSTRACTS OF CURRENT LITERATURE	125-200
v	BIBLIOGRAPHY OF CURRENT LITERATURE	207-233
v	DIBLIOGRAPHE OF CURRENT INTERNEURA	
		
	ABSTRACTS OF CUR	RENT LITERATURE
	GENERAL	SURGERY
	SURGICAL TECHNIQUE	Nack
	esthetics	Bazz, J On the F tions of the Thyroid the
	CARDIE M B BLUNTELD HEWITT WAGGETT	Suprarenal, and the Pif tary Glands 13
	and Others Discussion on Posture in Relation	
~	to General Anaesthesia 115 ATRIKEY J. T. Od Ether Anaesthesia 113	SURGERY OF THE CHEST
Cw.	ATHREY J T Oil Ether Anaesthesia 113 ATHREY J T The Technique of Oil Ether Co-	Chest Wall and Breest
	Ionic Angetheus 26	QUÉVO L Early Involvement of the Clands In Cancer of the Breast 12
Boo	THEY I 31 and Syntroan I The Calibra-	NATURN MI Farly Disenous of a Neonlasm of the
	tion of Ih Waller Cas Balance and the Connell	Breast by the Ilisiological Examination of the
Boo	THEN II M and Prescor F M A Compan-	Hamorrh pc D sch rge 13, MERCAPF S T berculous of the Costal Cartilages 13
	son of Methods of Obtaining Alveniar A : 126	POTEL 5 reprise of the Scarnila Partial Resection of
Sur	igal Instruments and Apparatus	the Scarul with Preservation of the Shoulder
St	CLARE D I A R tro-Urethral Cystoscopic	Joint Good Functional Result Two and One- Half Years after th Operation 13.
	Guide f External Urethrotomy 27	HIRAND T Transplantation of Fasci Cover De-
		freta n the 11 all of the Thorax 13
Пe	SURGERY OF THE HEAD AND NECK	Chest Wall to Deformity of the Thorax 13
	copeono I C Cares oma of the Lowe Lin Its	LERICHE Emphysema Tre ted by Freund a Opera-
-	Diagnosi and Operative Treatment 7	1300
De	the Facial the Tot Remon of the I aroud	Of the Mediastinum, scept the H rt 131
	for Other Diseases th Cance 8	Teaches and Lunra
21	CFT Tre time t of Fract res I the Base of	(ausea S rgrry of the L, ngs and Pleuca 13
	the 'k II by Early and Systematic Trephining with Opening of the Dar. Miter and Veningval	Heart and Vascular System
_	Drag etc. 20	Actors Box por Immedi te and Late Results
30	ment n I tracratual Tumor c rgical Treat	of 5 t re of the life, t
Ti	in a W Address on the Prese t Loution of	BE L LF RTI and Met appears Brauer Opera- tion in Case of Uncontrollable 1 yetole in a
_	(enchral treery 30	Child
	on teh sa 13	Cant T P C and A arm Braner Operation in a C w of T bercula Adhesion of the Peri
L	wa re W Repa n g Delects in the Dura by	cardium 17:
-	Transplat took of Pascus LLFS T and Ville R T The Successful Re-	·
231	mos I of Tumor from the Frontal Region of the	SURCERY OF THE ABDOMEN
	Bru 131	Abdominal Wall and Peritoneum
, v	ALTH M Dermoid Cy t of the Iroon 231	D voy Il F and Rowersee L.C Peritoneal and

CANTS J and ROCSSY C Hypophysectomy and L permental Clyenoura w

PIXIN, F M * Experimental Study of the Treatment of Perstonits xx8	Mayo, W J Cholecyantis without Stones or Jaun- dice in Its Relation to Chronic Pancreautis
KAUFMANY C. Examination for Abdominal Hernia 239 MacLeynan A The Simplified Operation for the	DAVIS R Results of Grafting Blood-Vessels on the Bule Passages
Cure of Herma in Iofanta 130	CARRERA, J A Splenestomy in Diseases of the
DUVAL, P Congenital Diaph genatic Hernia Left Subclavicular Appendicates	Spicen 150 Misscellaneous
Gastro-Intestinal Tract	KELLOGG F S Prosts, 2 Cause of Gynecological
SCHMIEDEN ERRHANN and EMBERREICH Modern Disgnosis of Stomach Diseases Versied by Forty	Pallura 250
George A W and Granna, I The Practical Appli-	SURGERY OF THE EXTREMITIES
Cation of the Röntgen Method to Gastric and Duodenal D agnosis	Diseases of the Bones Jointz, Muscles, Tendons Condutions Commonly Found in the Extremities
Saturates I' A New Thoroscope Sign for the D I ferentiation of Pylone Spaam at Extragastric	CONR S M Outcomychits at the Sacro-line Joint with Gas Bacillus Infection 250
Ongus from that Associated with Uncomplicated Gastric Ulcer on or Near the Lesser Curyature 245	KINNESS, J : Radiographic Diagnosis of Bone fiar-
REICHEL, II RESIGN Picture and Operative Find-	DAX, R. Paget a Bone Ducase 155
ings to Carcinoma of the Pylorus 41	HARTUNG, A Some Unusual Bone Lexions 151
Delone and Santy Gastrectomy in Cancer of the Stomach 4x	LANDOIS F Central Surgical Bone Duesse 15a
PORTA S Bonds Method of Excluding the	MAYER L and WERVER, E Importance of In-
Pylorus 142	dividual Components of Bont Traus in the Regeneration and Transplantation of Bone 52
Braz, A Diagnosis of Ulcer of the Duodenum 242	WALTER IL W E. Googrammal Metastatic As-
MARQUIS Perforation of a Peptic Ulcer of the Jejunum Sur Years after a Gastro-Enteroxiomy	thritis 53
Operation Recovery Influence of Vanous	LEOVINARD Treatment of Tuberculous of the Shoulder, Efform and West-Joints and Its
Operation Recovery Influence of Various Methods of Gastro-Luterostomy in the Produc	Results 13
tion of These Dicert 143	Lames R E. Post-Traumatic Ostification on the
MCLEAN A Post-Operative Hers 243 JORDAN A C Intestinal Stans from the Stand	Region of the Elbow-Joint 53
point of Radiology 44	Azzrace N Tuberculusia of the Hap an Analysis of Twenty F ve Selected Cases 54
MAGGIORE Two Cases of Congenical Regucolon 744	Roc at, M H Tuberculosis of the Knes in Adult
Don, A In Colectomy for Consupation a Radical Procedure? 344	Prognoss and Tre tment 54 HATER L. Penetrating Injuries of the Keee-Joint 54
GREET P Best Technique for Externals tion to the Enterpation of Concer of the Colon 145	Fractures and Dislocations
IACKSON R Some Ususual Phases of Sugmondo-	Moons J E Fractures of the Nock of the Femur 155
scopy 145	Scorr II A. A Tre tment of Fractured Ferner 155
GRAHAM, A B Permectal G mma Report of Two Cases 246	PARTHENAY C. DE Treatment of Fractures of the Leg by th Ambulant Method X55
HASSLES G L Recurrence in Cancer of the Rectum 246	AMERICATI G Study of Antenor Dislocation of the Head of the Radius 255
Enwages P S A Protest against the Indorrum-	De Sweer An Haysun Luration of the Metacarpals 156
nate Use of the Abdominoperment Operation in Cases of Rectal Cancer 247	PERDICANO A : A Case of Central Luxation of the
AMPERSON, II G Post Operative Hamorrhege m	3 cinux
Rectal Surgery 247	Surgery of the Bones, Jones Ric
Liver Pancreas, and Spisen	MORESTIN H Duarticulation of the Hip with Re- action I the Acetabulum as Old Cases of Coral-
STRÖREL, II T ima a Operation and Cardiolysis 147	
Prantes, G L The Routgen Rays in the Diagnosis	ROGERS, T A togenous Bone-Graftung for Fracture
of Gall Stones and Cholecyst tes an Improve	of the Patella MCRILLIAMS, C A: Methods Suggested for Bone
ment in Technique GRORGE A W AND G REER, I The Demonstra-	
tion of Gall Stones by the Rontgen Ray 48	SERATIVE G A Attempt to Replace the Upper Extremety of the Humerus by Graft of Dead
Carle, G W Cholecystectomy vs Cholecystostomy	tr me those in a Cast of Resection for Sercount 17
and a Method of Overcoming the Special Risks attending Common Duct Operations 48	HENDESSOV M S The Treatment of U united Fractures of the Tibre Transplantation of Bone 58
Mayor G II Cholecystates and the Factors that	Fractures of the Tibut Transplantation of
Control Results I Operation 148	pone P

INTERNATIONAL ABO	STRACT OF SURGERY
ROMINGON, E. F. Treatment of Ununited Fractures of Thisa by Intrancedulary Bose-Transplante Report of 1 e Cases . 158 Lovatz R. W. The Use of Silk Ligaments in Paralyses of the Askie. Orthopeduse in Oeneral	DISEASES AND SURGERY OF THE SKIN FASCIA, AND APPENDADES ORDIAT The Fate of Homoplastic Skin-Fiaps in Human Benga Yes MISCELLANEOUS
CHIFF E 5 The Use of Celtuloud Foot-Plates 159 SURGERY OF THE SPINAL COLUMN AND CORD	Chartal Entities—Trumors, Ulcers Abscesses, Etc. Gaswirz P Report on Gravit's Results in the Study of Cell-Formation by the Method of Harrison and Currel Barrows, D C. The Care of Surgical Patients 159
Anans Z. B. The Relation of Bony Anomales of the Lumbar and Sacrai Spure to the Cause and Treatment of Sodiosis Socion R. B. and Bicknowic C. B. An Apparators for Obtaining True Comparative Phot graphic Records of Sodiosis Trouss II B. Artificial Ankylous of Spinal Verto-	Sera, Vatches, and Ferments JORENG J W and Perference W A Study of the Ferments and Ferment Inhibiting S betances in Tuberculous Cascous Material BLOOO
brze IB Lammactomy for Spinal Injury 159	Depotate Transfusion of Blood Its Principles Indications and Technique 163
COLLING J and LISTERG C. A. GARRI TUMORS of the Comes and Cauda Equina. TAURISHCHARA, D. Operation with Recovery in a Case of Tumors of the Dorsal Cord. AURRAIDE M. Compression of the Dorsolumber Early by Compression of the Dorsolumber	Blood and Lymph Vessels GLAST, W Branches of the Aerves within the Vessel Walls Electrology Current I Histological Changes Produced by

SURGERY OF THE NERVOUS SYSTEM

JULIAN Suture of the Terminal Branches of the Right Brachial Plexus for Complete Paralysis of the Upper Lumb 161

and Sumulating Power of the X Rays STEEL 5 The Present Status of the Non Operative

Treatment of Benign and Malignant Growths as Seen at the Chines Abroad

26a

170

171

171

BEERE S. P and Van ALVETNE E. V Treatment of Transplantsble Rat Sarroma by Pulguration

GYNECOLOGY				
Uterus WEINEL, W. Lat Recurrences after the Radical Abdominal Operation for Curcummun of the Uterus 165 RUSHTER, J. The Responsation of the Muscous Membrane of the Uterus after Curcitage 66 TREHILARER A. The Causes and Treatment of Idopath Hemoretage und Durchary from the	VAN TRUTERI, L. A Treatment of Retroflexed 16g ELEMOT II R. A Case of logantile Ulerus and Appendages, with Result of Treatment 16g ERAUNX I Perforation of the Ulerus Tearing Off of the Appendix and Multiple Perforations of the Internate Cured by Operation 16g			

FALE J I Innervation of the Uterus and Vagina Uterus 166 HENZEERO, A Utenne Endoscopy, n Aid to Pre FOCKE Oigitalis in Harmorrhage of the Uterus 62 BELL W B The Causes of the Non Coarulability GOOGISEERS H Effect of Internal Secretion on the of Normal Menstrual Blood and of P thological Clotting 67 LORENZEC, E Experience with Vaginal Amputa-

SCHICKELE G The Relation of Menstruction to tion of the Body of the Uterus General nd Organic Diseases 167 Juna P Rieck a V ginal Amputation of the Body Voy GRAII E. Treatment of Meno- and M tro rhagia not Caused by the Chinacteric, with of th Uterus Röntgen Rays Mayre, A Dissection of the Ureter and Uterme

GUTHERE J R and WHITEIS, W R Smyle Method Artery in the Radical Operation for Carcinoma of the Uterus of I using the Uterus in Procidents and Pro-Krares II I There a Myometric Gland in the lapsus Harrist Carried

Nauray A J Looping the Cardinal Ligaments in Uterine Prolapse Adnesal and Perlutering Conditions Conservative Operative Treatment CROSSEY II S Tororspew Development of the Corpus Luteum in of Long-Standing In ersion of the Uterus 168 the Human Ovary

PENCIA F Distinction let, orthe Corpus Lateum of Dividualism and the True Crysa Lateum of Prices and Friends Piri may P. Report 172 PELIZEROW M D Filted Tomers of the Ownies 173 PICALOMNET O Subject of Call Fare a Bodge 173 PARKER C. D Prol pas of the Dway The Raisband Management 273 KARTHEY L Cury at Treatment of J & manatory 773 External Gentlina EDITY T W A Case of Superior Recto mad 173 Partial Minestinations Minestination 173 Minestinations Minestination 174 Minestinations Minestination 175 Minestination 175 Minestination 175 Minestination 175 Minestination 175 To Thyroid and the Genital Organ 1 6	VALT J F genica and Gynecology Schemer H 1 Massa w Kung in h Cynecology 170 Schemer H 1 Introduction in Gynecology 170 SCHEMER N, Value of Hydrochemy in Gynecology 170 SCHEMER R The Introduction of Cuses and Treat- ment of Switzley in Wooms 170 SCHEMER N M F reploratory Puncture in 170 SCHEMER N M F reploratory Puncture in 170 SCHEMER N M F reploratory Puncture 171 SCHEMER N M Case of Internal I made Pacudo- 170 SCHEMER N M CASE of Internal I made Pacudo- 170 SCHEMER N M M M M M M M M M M M M M M M M M M
OBSTE	TRICS
Pregnancy and Its Complications Ensurance O B logical Study of Normal Pregnancy and Lelampus, with Special Consideration of Anaphyla 179 Perrus Duration of Pregnancy 179	love Blazo gr r II Principles of Treatment in Pregnacy Complicated by Pulmoiary Tuber- culos 12; Leasen F Bens in Pregnancy Labor and th Puerpenum 18;
From P Letoye I repuser 1 9 FRITS Lemmal forms of Letoye Prepaser 179 Backs N C Two C es of Extra Uterne Prepaser Fres 1 ng after Repture of the Prep	Trigitors F P J indice of Pregnancy Inociated with J when in the Off pens, loar E radiance of Apphosehous in Preg many Laker and the Pherpernum 184
mancy Fuler and the Pregna t Lettus Go GRAFF Primary Pregnancy 1 the Oment on 180 Krew J M M Torvenia of Pregnancy ad the Fiftet pon M ternal and I i the Mortality, with dispersion on 18 flow the Veneziana and the Public Health Department M ght Assat I Levens go the Park Max I soon Complications	COCLIDATE Presence afte Myonectomy Bower J and Bower 5 Incremental Cind of Kolocy Changers Pregnancy Antreveneur 1 ins two of the Urrier to Pres MILIZ B The Ristone (the Thyroid Lidand to Pregnancy Lator and the Purcertoms 1 th Endown Contert Repos (the Canton of Bern 85
of Pregnancy and Part inton Harchitrov, 5 The Prophyl of and Treatment of Pre Lelampila Fourmas of Lelampils Ascretze, B Retrograd. Annies I ollowing	AFFACTALOFF A J Spontaneous Recovery la Complet Rupt re of the Pregnant Lierus Scenery 1 Rechets I I Small ing Osteoma laca and Pregnancy 25
DANIORIN N C CREATERN Section, at Report of Louriers Cases from th Services of Dra-	Labor and Its Complications Serwest, 4 Processor with Abstract Breech Formys 125
BAR IV J Th Treatment ! Pregnancy Compted ted by Morbus Cords by mean of Creates Section ader Spanal Langubers. SPALDY-G. V B. Some Practice Government the Information for Compress bortloom.	PRILIPS T B Delivery of Two Children Irom Bouble Lterus Zalkwest F Duplication of the F male Genetalia and its Lossenpoeners Delivery 86
Horris I Simult seems Abortion and Tubul Sterilization S Entless I Tre tment I Abortion S:	Puerperl in and Its Complications Direction A A Case of Purperal Feve 1890 claired the Entercoperus 86
TRACGOTT M let we and Consert to Treatme t of Streptococus Aborton and its Result Horse L Compulsishity of the Blood ad the Blood Count Normal Hyperthyrood, ad	ALLEVEY Inversor and Total Prolapse of the Protegoral LD u PRINCE L. A Case of Rupture of the Cervix Post Farram 187
Hypothyrod Women d ring Pregnancy and the Fuerperium AUSTI C. k. On the Isoserum Trevtagent of the Interestal Votating of Pregnancy 133	Miscell_neess GRES R. M I tracranual Hemorth go 1 the A w Bot 157

123

122

zfia

180

192

102

102

94

95

195

195

05

106

GRÖVE, O Epidural Hamatoma in the Spunal Canal
of the New Born
187
BRATTSTROM E A Case of Quadruplets from Pour
Ova, with a Discussion of Quadruplets in General 187
BRALASTIVE J W Stillbeth a Registration 288

MURRAY L. The Immunological Relationships of Mother I orius and Placents

RENUE K. Can an Early Diagnosis of Pregnancy be Made in Cows with Abderhalden a Dialysis Wallis R L M The Value of Abderhalden a Tests

in the Diagnosa of Pregnancy
Francisco, C Serum Diagnosis of Pregnancy

Mixing J W Corpus Luteum and Pregnancythe Youngest Human Ovum Obtained by Opera

tion
Lov Neucenauze P A New Sense of 73 Cases of
Twin Pregnancy with One Ovum Implanted
Inside the Uterus and the Other Outside

Rotte, A The Need for Research in Antenatal
Fathology
Butst R C Two Cases of Pregnancy: Uterus

BUIST R C Two Cases of Pregnancy: Uterus Subseptus JASCREE R T Examination of Aidney Function in

100

10

IÓI

IQI

100

100

200

200

200

20t

201

20t

202

203

Pregnancy
HENNEY, P. V. Pitustan in Labor
Heanto, D. A. Pitustary Products in Obstetrics

GENITO URINARY SURGERY

Ridney and Ureter

JULE H D BRAYES, JR II and BARCOCK W W.

Precocious Development of the Externi Gentals

Due to Human Street Street Control

Due to Hypernephroma of the Adrenal Cortex Saviozzi \ Study of Perirenal Tumors Block O E. Kidney I juries Accelin. One Hundred and T o Radiographic Examinations for Lithiasis of the Lidney and

Ureter \ended in Various \\ ys

Lectoraryer M Early Diagnoss of Renal Tuber
culosis

Culosis
PARON L M Rephroptons Mos ble Kidney
Floating kidney Dropped kidney
93

NULLY I Retro-Aort c Left Renal \ ears 194
BILLINGTO \ The Results of Nephropexy 194
CAULK J R Incrustrations of the Renal Pelvis and

Ureter
SWEET J E and STEWART L P The Ascending
Infection of the hidney

to Horma L Dangers of P) lography
BARLUGE R S Untercode and Untersitation
WHITEHEAD G E trapentoneal Untersuithotomy
through a Mechan Suprapulae Incaron

Bladder Urethra, and Penie

COUDRAY J Primary Lithians of the Bladder in Children and Adults p to 40 among the Musulmans of North Africa Funtation V Ectops of the Bladder

ulmans of North Africa
FDAVIDS V Ectopia of the Bladder
DAVID V C A Bacteriological Study of Fifty Cases
of Non-Tuberculou D seases of the Bladder and
Kidney

HEITE BOTER, M Endoscopic Treatment of Tuber culous of the Bladder by Iligh Frequency Cur

HYMAN A The Normal Bladder and Its Sphincters and the Changes following Suprapulse Pros-

PACKARD II E crason of Bladder 199

Buses, L. B. Creaters of Bladder Reheved by Fulguration

O'Auxt., R. F. A Case of Increased Cyantus Showing

End Result

Source, J B Rectovenical Echinococcus Cyst

Jeno E S on-Papillary Benga Tumors of the Bladder General, F The Endovesical Treatment of Papil

Iomata of the Bladder by High-Frequency Cur rents

Inc. E Surgical Treatme t of Urethrorectal

Genetal Greans

Canges, C. E. A Case of Double Cryptorchidism
Litzewits 41, 11 Prostatectomy in General Surgical
Practice

STEVENS L. R. Treatment of Certain Cases of Prostatic Obstruction by Cautenzation by the High Frequency Current

COLE, A P Kidney Function Estimation in Prepsistion of Patients for Prostatectomy Pilenza, P. M. Transvesical Prostatectomy in Two States

SURGERY OF THE EYE AND EAR

Eye
CREDÉ II RDE Preve toon of Gonorrhead Ophthalma

ELLIOT, R. II. HENDERSON E. E. FLERIN. L. and Others. Discussion on the Use of Salvarsan In Ophthalmic Practice

LANO W Case of Sympathetic Ophthalmia, from which a Secondary Cataract had been Removed after the Adountstration of Salvaran LANTOND J B Case of Severa Post Operat Plastic Indocyclata Treated by Veosal arsan

Est
Latrov T B Examination of the Intern I Lar and
Hind Brain by Stimulation of the Vestibular

McCarr, Jr., J Inducations for Surgery of the Ethnood and Sphenoid Labyrinth with Report Throat

SURGERY OF THE NOSE THROAT AND MOUTH More

BUCIER, W. M. and CHAMPERED W. B. Air Insections in Twiterclasses of the Laryer Parasisov D. R. Three Cases of Forega Bad the Structura, Mustrially Founts of Interest TOMER, F. Layragetteny Combaned with a fronteny	207	Strass, M 6 Mixed Cell Tumors of the Soft Falats Bians, V P Dental Disorders and Peridental in- fectors: Their Relation to Neighboring Organs	905
BIE	BLIOG	RAPHY	
GENERAL SURGERY		3frictlements	
Surbical Technique Operative Surgery and Technique Apoptie and Antispine Surgery Anouthetics Surpeal Institutents and Apparatus Surgely or the Head and News	207 207 207 207	Chanal Entities—Tumora, Ulcars, Abacesses, etc. Sera, I-accume and Ferments Blood Blood and Lymph Venela Pelsons Suprasi Therapeutics Electrology Matery and N. val Surgery	303 323 323 23 23 323 323 3 3

227

93 931

232

SURGERY OF THE HEAD AND NECK Head Nock 202 GYNECGLOGY Adnesal and Penuterine Conditions External Contains SURGERY OF THE CHEST Chest Wall and Breest Merchanton Traches and Longs Heart and Vascular System 10

Pharynx and Escobagus CHSTATRICS Pregnancy and Its Complications, Labor and Its Complications Presperson and Its Complication, Miscellaneous SURCERT OF THE ABOQUES 370

Abdominal Wall and Pentoneum Gastro-Intertunal Tract Liver, Pancress, and Spicen Miscellaneous \$3T \$13 \$16 GENTTO-URINARY SURGERY Kidney and Urete Rhadder Urethra, and Penes SCHOOLS OF THE EXTREMITIES Gental Organi Diseases of House, Joints, Muscles, Tendons, General Conditions Commonly Found in the 23 23 16 Extremities
Fractures and Dudocations
Surgery of the Bones Junta, etc
Orthopedics in General Extremutes 227 SURGERY OF THE RYE AND RAR

SUBGRAY OF THE SPENAL COLUMN AND CORD 278 SURGERY OF THE NOSE, TEROAT AND SCHOOL OF THE NERVOUS SYSTEM RO MOUTH Nose Throat, and Mouth

SURGERY OF THE SECR PASCIA APPENDAGES

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INTERNATIONAL ABSTRACT OF SURGERY

AUGUST 1914

MONTHLY COLLECTIVE REVIEW

CRITICAL REVIEW OF THE LITERATURE ON THE PROBLEM
OF GENERAL ANÆSTHESIA

By WALTER M BOOTHBY A. M M. D BOSTON
Lacturer on Assethmen in the Haryard Medical School

CHLOROFORM - DOSIMETRIC METROD

THE last (1911) report of the Special Chloroform Committee of the British Medical
Association (1) is one of great value as
theren are collected many important papers
overing the great amount of experimental work,
on the dangers of chloroform americheas so carefully investigated by the English school The
work of this committee was especially directed to
the terming the upper limit of safety for the
administration of chloroform vapor

The ultimate conclusions at which the committee has arrived with regard to the dosage of chloroform may be summed up as follows

- insufficient to induce surgical anaethesia in an adult at all events within the limits of time ordinarily available.
- 2 That a two per cent vapor of chloroform in air is sufficient to induce full surgical anesthesia
- That in pathological conditions such as depraved blood states some distinces grave pathological states the safety does or percentage is below two per cent and must be determined in each case.
- 4 That the dosage for the maintenance is of as much importance as that of the induction per iod and the neglect in recognizing this has caused many deaths and constantly delays convalescence
- 5 That no definite limit of safety can be fixed for this close but that it is in most cases one per

cent at first and must be lowered as time goes on (2)

Since the appearance of this report the choical study has been continued by the secretary of the committee Dudly W Buxton In a paper read before the International Congress of Medicine Buxton argues very strongly for an exclusive use of the doumetric method of chloroform anasthesia He says in part Clinical experience supports the experimental results of Sherrington Sowton and others that whereas the organism can be taught to tolerate even relatively high percentage vapors if the strength is gradually reached yet a sudden use at the commencement of an inhalation of such a strength results in collapse and probably death. When we are working out the physiological action of a new drug we use the utmost care to measure the strength employed. When our results are standardized we employ such and such a strength per kilo of body weight and know that we shall in every case insure a certain result which we anticipate In the case of chloroform we have now standardized for the normal person that a strength of vapor somewhere about two per cent (by volume) will induce anaethesia that less will only tause sleep while a greater strength will lessen the activities of respiration and circulation and may at any moment cause cessation of breath mg and heart standstill. And yet the methods most generally employed provide no means by which the administrator can even know the strength of vapor-that is the dose per kilo-he is

AUTHORS

OF THE ORIGINAL COVERIBUTION'S WHICH ARE ADSTRACTED IN THIS NUMBER

OF THE	Eden T W		
Adams, Z B 159	COATSTRUMO	S WILICH ARE ABSTRACT	ED IN THE WAR
Alltson, N 154	Eden, T W 273 Edmunda, A, 196 Edwards, F S 147 Threareach 140		
	Edmunds, A 196	Kaufmann C 139 kesf r H 71 Kelley II A 178	Porta S 141
Alurraide M 160	Threaresch 140	Kelley II A 198	Porta S 141 Potel, 34 Oufn E 133 Reichel, II 141 Richter J 63 Robinson E F 158 Rocers I 160
Anderson H. G 247 Anzelotti, G 255	Dreavech 140 Element 140 Element 140 Element 10 170 Elhot H. R. 169 Elbott H. R. 169 Elbott G. A 160 Falk J I 169 Falk J I 169 Falk J I 179 Femuer F 171 Faddey P 179 Femuer A 261 Forke G. 180 Frenck C. 180 Frenck C. 180	Keilogr F S. 150 Kerr J 8f M 180 Klein II V 177 klingan I 187	Quen E 133
Arcelin, 193	Essenteich O 170	Kerr J 81 M 180	Keichel, IT 242
Afriquel, 9 xR	Ethot R. II 303	Mein II V 177	Robinson 12 7
	Elliott HLR 160	Alem II V 177 kinens, J 150 Knwaky L. 73 Krotosyne M 103 Kunchtsloff N J 189 Landou, F 151 Lang No. 205	Robinson E. F 158 Robinson E. F 158 Rogers, J 157 Rogers, M H., 154 Roussy G 5
Autong, 57 Auston C K , 183 Babcock W W 101 Ballour D C 161 Ballisntyne J W 183 Bangs, L B 100	Elibery C. A 160	Krotosuma 33	Rogers, Mr H
Austra C K , 183	7 Manage 169	Kunchtaloff N T 193	Rousey G 3
Balloce II W 101	Fenere F ace 136	Landou, F 151	Routh, A 90
Ballantana A 20	Tindley P yes	Lang W., 205 Lawford, J B 203 Lawford W 231 Lawford T B 204 Lehman E 134	Routh, A 90 Rowntree L G 138
Bangs, L B 1999 Bart, J 131 Barringer B S 193 Birris, J 181 Beates It II as	Fleming 4 201	Lawford, J B sos	
Bart. I 212	Forke 67	Lawron W 131	Savorel V
Barringer B S tot	Fullerton W D 173	Lehman E 135	Schaeffer H
Brnle, J 181			Schautz, P 181
Beates, Jr , II , 19	Propert on	Leonhard, 253	Schickele G 67
Beckman, II G 130	Froment, 30 G rdère P C 138 Gebrete F C 138	Lenche 136 117	Schmieden 240
Beates, Jr. II 19 Beckman, W. G. 130 Beebe S. P. 65 Behne K. 123 B. II. W. B. 167	Gehrels F 200	Libenthal II 201	Soute FF 1 76
B II 11 B 162	Geint E. S. 150	Lonnberg E, 170	Scrafni G + 53
B r A 141	George A. 11 24 48	Ludwe F a. 138	Sinclair D A 177
Billington W	Gest E. S. 159 George A. N. 14 48 Gerbe I 240, 248 Gerdes, I U 178 Georgians 18, 18	Lennard, 153 Lenche 136 137 Libenthal II 201 Libenthal II	Smither, F 42
Blast V P 206 Bloch O F 01	Conflored on 178		Spalchag A B 8t
Block O L 01	Goulleaud, 184 Glaser W 64	Marquis, 243	Squer J H 300
Bloodgood, J C 1 7		Mayer A 71	Santy 147 Savozat V. 0 Schaeffer B 77 Schaette B 77 Schaette G 67 Schaetee G 67 Schaetee G 67 Schaetee L 67 Schaet
Bondi T 284	Craham A D a.e	Jan Cars	Stevens A R and
Bonds J 184 Bonds 5 84 Boothby W M 116		21 22 2 4 4	Stern 4 164 Stevens, A R 202 Stevens L F 105
Boothby W M 11 116	Crawitz, P tot	Me Call I 7 m	Strobel, 11 47
	Green R. M 187 Gramm, C. E. 201	Alignore 144 Alignore 144 Alignore 144 Alignore A. 71 Alignore A. 72 Alignore A. 72 Alignore A. 8 Alignore A. 8 Alignore A. 8 Alignore 144 Alignore	Strobel, H 47 Sturpel, M O 305 Sweet J E. 95 T branching D 48
Bratistrom, E 187	Crone O 187 Gruet, P 147	McLean, A 43 MeWalliams, C A 57 Mercadé S 214 Mathabowski I O 73	Throat of
Braude, I 69 Bucher W M 109 Buchelz C H 159 Buchel B C H 159	Gruet, P 147	MeWalliams, C A 57	Thenhaber A age
Buchola C H 103	Gutte berg H 190 Guthrie J R 68	Methodos 5, 114	
Bulst R. C. 90	Guthrie J R 68	Miller I W 180 73	
Camus, J 131 Carrera, J A 150 Caulk, J R 194 Chamberlin W B 205	Guthrie J R 68 Gwathmey J T 15 1 6 If riung A 152 Illassier G L 146 Illaughton S 30	Mile R.T 150	Timofejew, 72 Tooth, H H 129
Carrera, J A 150	Hastler C. T. and	Moore J E., 15	Torck F 205
Chambally 194	Haughton S 30	Morestin II 156	Tylecote F F
Clanet I ada	II)em L., 154 Hel eberg A 170		Torck F 205 T) lecote F E 25 Trangott M Sz Uffreduzzi, O 25 Van Alstyn E V 65 Van Transom I A 66
Clunet J 164 Col A P 201	Hel eberg A 170	Murray L. vis	Uffreduzzi, O 36
Collins J 160	Herr-Boyer 31 98	Murray L 183 Nash J B 199 N than M 133	Van Aletyn E. V 65 Van Toulem, L. A 69 Vert. I 76
Cone S M 50	Henderson M. E. 201	N than M 733	an Jestem, L. 4 69
Cone 5 M 50 Coudray J 96 Crede Horder 103	Hendley, P A	Num m f o4	Viko F
Chie G 11 48	Heitz-Boyer M 98 Henderson E E 207 Henderson M 5 53 Henderson D A 197 Henou D A 197	Nur m F 04 Nur m F 04 Nvuluw A J 68 O veil, B F 199 Owood, R. B 259 Oh m F 06	Vancent E. 19
Crife G W 48 Crowen H S 168 Dandy W F 38		Owned R. R. 700	Vogt, E. 184 Von Bardeleben, H 184
Dandy W F 18	Hotograph 1 33	Ohma T 16	You Bardeleben, H 183
	Holder H	Packard, H 100	V n Graff E 68 76
David V C nv	Hyma A ros	Pauler C D 75	
17 K 1	Chantoff A 78	Parthenay C do	Haggett 25
	J ckson R 45	Paterson D R. and	Wiker F E 73
Dejonanny 65 De Smert 56 Duller T 3	Holder H 177 Holder H 177 Hyms A 193 J chantof A 78 J chao R A 45 Juchke R T 9 Johns J W 163 Jordan A C 44 J dd, E 5 60 J libra 6 Jump H D 0	Ownord, R. H. 250 Ohms T. 26 Fackard, H. 190 Falmer C. D. 75 Farish E. 26., 93 Farthernay C. de 55 Faterson D. R., 203 Frabod F. M. 26 Feters. 20 Frestor. 20 Fres	Waggett 15 Wilter F E 73 Willia, R L M 89 Wither M W E 33
De amert 56			
	J dd, E 5 200	Peterson I. ven	
Donaldson A 86 Dumm W M 78	J Dien 6	Plahler G E.	Wesbel, W 166
Damm W 31 78	Jump, H D o	Philips, T B 83	Whit head G
₩ Y14, E 8 130	Jung P 170 Kak sekku N M 177	Fikin, F 81, 38	Weil, 37 Wh t head G 93 Whites, W R 63
Ebeler F &	Kaltensch ee 84	Priceron W 63 Priceron L 187 Plahler G E., 48 Philips, T B 83 Philips, F 81, 38 Philips P M 20	Zalewski E 86

to an air tight ma k and face-piece such os is used in gas-ovygen-ether anasthesia

The accuracy of the Connell apparatus is very great as has been shown by Boothly and Sandt ford (17). It certainly does not vary more than 3 mm. from the theoretical tension as shown by their experiments in which the tension drive ared by the Connell apparatus was controlled by passing the delivered meture through o Waller gas balance.

As there are three ways of stating the proportion of ether or other gas prevent in a muture and as confu ion occurs if one is not on guard to distinguily these forms one from the other it is occessary to refer to this in some detail

1 The proportion of ether may be expressed as percentage by weight that is 13 per cent by weight of ether ond 55 per cent by weight of sur there is no justification for the use of this method

2 Or the same douge can be expressed in per cent by volume that is 6 38 per cent by volume of either vapor and 93 62 per cent by volume of air both of course at the same temperature and pressure Percentage by volume is the method wouldly adopted by the pharmacologists

3 Or finally if can be expressed in multimeters of mercury repressure For instance with a barometric pressure For instance with a barometer of 760 mm the volume per cent of 6 38 would mean $60 \times \frac{6.38}{100} = 48$ 3 mm On the other hand,

at Colorado Syrings, with a harometer of 640 mm o volume per cent of 648 would gave a tendon of only 40 sum—a ten løn not sufficiently strong to keep the patient amesthetized As the volatile amesthetise obey the well harom gas laws and form compounds with the protoplasm of the cells in a quantitute way directly according to the tension of the amesthetic vapor it is advisable to use that standard of expression which both represents the action of the drug and slos remains unaffected by harometric changes

Boothby and Sandiford (17) give the following table illustrating how the Council apparatus, when calibrated in tension adjusts itself to harometic changes and conversely how it does not do so if calibrated in percentages by weight or percentages by volume Set at the same point the opparatus would dehiver according to the three systems of expression as follows.

9.46% by wt = 3.91% by vol = 24.6 mm at 630 mm and 21° Colo. Springs (6000 feet) 7.78% by wt = 3.18% by vol = 24.8 mm at 780 mm and 21° sea jes el

Connell (15) gives very interesting curves for the other pressure required to the olveolar air and

shows that in the preliminary stage an either tension a high as \$87 mm can he administered with safety and that for the induction period it must of least be over zoo mm in criter that the induction may not be unduly prolonged. After five munutes the curve fails and reaches go mm in ten minutes when surginal relaxation becomes complete. During the next half bour the curve scales downward reaching a pressure of about go mm. in thirty of forty minutes. He shows that on this tension the form of own. as a base anesthesia can be maintoined for men of every type for many hours without increasing or decreasing the depth of narcoss.

The curve worked out by Connell has been carefully checked by Boothby (12) and his investiga tion confirms the curve as given by Connell Boothby however believes it is distinctly safer to allow the inductory period to take fifteen min utes and during that time not to inree the ether tension materially above 100 mm Most of the latter's investigations were made on patients on whom Prof Cushing performed a cerebellar operation thus necessitating a prone position with the head supported by a special rest. These operations frequently jasted three hours. The patients were carefully placed in the position in which they were to remain during the operation and the ether started It was therefore necessary to so administer the anaesthetic as to cause no excitement struggle or scarcely a movement on the part of the patient. To produce smooth motionless induction it is occessary that the ether tension he only gradually brought up to 100 mm. - o penod of five or six minutes - maintained at this level for seven to ten munutes and then gradually lowered to the true anasthetic tension of so mm The time required for loduction varies materially and depends on the size of the patient and the rapidity of the circulation os compared with the size of the body - the smaller the patient and the greater the volume of blood passing through the lungs per minute the quicker will he be anasthetized and also the more rapidly will be recover on removal of the anaethetic

Although for the reasons coted positions are found to vary, maternally un the length of time required to saturate their bodies up 190 mm of either vapor yet on measurable difference to the final ten ion has been demonstrated to patients thus studed the anesthetic tension inequired was the same regardless of age set or condition of chronic alcoholosism. In regard to the influence of age two cases were cited (12) in tabless stateen hours and name months old which required the same either tension of 50 mm to maintain superstates though on account of the relation specific products and control of the relation specific products and control of the relation specific products and control of the relation specific products and the same either tension of 50 mm to maintain superstates though on account of the relation specific products and the same statement of the relation of the same statement of the relation specific products and the same statement of the relation of th

giving while he possesses no accurate control over the unmeasured quantities of the drug employed He is forever experimenting upon his patients and the results he obtains depend wholly upon his personal acumen as an experimenter. He depends solely upon his powers of observation if the results consequent upon his unknown dozes seem to be touching upon the zone of danger he limits his supply of chloroform but by how much he does not know That many men can intultively stumble upon a safe dose when employing un dosimetrie methods is obvious and that expen ence wdl enable such to onticipate events a undoubtedly true but the system lacks the impri matur of science and I apt to fall at critical moments.

Button on the haus of a very extensive expenence concludes his paper by sying. I believe both from experimental and critical evidence downstric method of giving chloroform are the only safe means of exhibiting that drug and by their use its dangers are abolated or so far

lessened as to be negligible

For an apparatus liuxton makes use of the Vernon Ifarcourt regulator According to Hac court a own experiments the percentage of chloroform which from theory should be two per cent varies according to the depth of respiration from 1 54 per cent to 2 26 per cent, though the mass-l e grams per mm -of chloroform remains quite constant (3) is volatile anaethetics act entirely according to their tension (o) the mass inhaled is of no consequence an error in the estimated douge of nearly 25 per cent does not allow very accurate deductions as to the strength of chloroform required and by the use of such an apparatus no fundamental facts as to the deter mination of the marthetic tension of chloroform could be made Such an inhaler however would in the hands of one acqualated with the 1gn of variation under given conditions, render it proc tically impossible tagica fatal userdose of chloroform and is therefore better than a mask from which no indication of the strength could be obtained The Connell anæsthetometer if calibrated and properly modified for chloroform would deliver chinroform vapor with great accuracy independent of the volume of respiration

that tissue follow closely, within a wide range of desage the solution tension of the chloroform la the perfusing solution also that the degree of depression of the heart was a function of the solution tension of the chloroform Embly (5) has shown that when alr containing more than two per cent of chloroform was administered in the io pired air slowing of the heart ensued and that when higher percentages were employed the degree of the lahibition was rapidly intensified Because the margin of safety is very narrow between a tension of chloroform dangerous for the heart and the tension used during the Induction of narcous deaths in chloroform anaesthesia are very apt to occur in the early stages If as Bux ton (7) recommends chloroform is never administered stronger than two per cent (by volume) such deaths can be avoided a dosumetric method of administration is obviously a necessity

All trace of cyanosis must be absolutely a coded when using chloroform as Sherrington and Sow ton (6) have shown that oxygen-want intensifies the action of the same tension of chloroform on the heart and other tissues and that the depression

so caused is more difficult to remove

As yet we do not know whether or not the dosimetric method will render delayed chloroform poisoning less likely to occur. Clark (11) states without reference that experimental work has shown that chloroform is even more likely to cause delayed possoning in pregnant dogs and cats than in non-pregnant ruis dusies.

Using an accurate dodinetric method and with the avoidance of cyanosis the question of delayed chloroform poisoning must be re-investigated.

ETHER - DOSINETAIC METHOD

It is not necessary in adopt the downterine method of administering either from the point of view of the valety of the patient as is the case when chloroform is used. It is value is in teaching the anesthetist the potency of the drug the degree of insesthesis that can be produced by various tensions the time it takes to astrone the local consistency of the control of the control

For the dosumetric administration of ether apparatus devised by Karl Connell (13, 24) of Roosevelt Hospital New York City though at first glance it may appear complicated and impracticable is as a matter of fact very sumple and easy to handle. It should always be used for instratcheal or for pharyngeal insufficient When used in ordinary work at should be attached.

The experimental data given by Boothby abov that surgical narcosis is produced by a tension of 50 mm — a higher tension produces a dangerously deep narcosis and a lower tension as moniversity hight anesthesia. The percent age saturation of their is not known However it can be assumed that the same degree of saturations is always produced by the same tension is always produced by the same tension and that eventually a correct dissociation curve can be determined as in the thoughly studied reversible reaction Hb-Q-=HbQ, in which the percentage saturation of the hamoglobin with oxygen is dependent on the oxygen tension to which the hemoglobin is exposed

If such be the case our conception of the theory of production maintenance and recovery from anasthesia cao be rendered more complete by the following hypothetical formula Let Min represent the molecules in the nerve-cell affected by the anasthetic and let An represent the group of inhalation anaesthetics. Then substituting m the above hæmoglobin-ovygen equation the reversible reaction Mn+An MnAn is seen to take place. In this reaction the percentage saturation of the Mn molecules in the pervo-cells and therefore the depth of anæsthesia is dependent on the tension of the anasthetic vapor to which these susceptible molecules are exposed The perceptage saturation caused by ether at a pressure of 50 mm produces that degree of cell inhibition that is necessary for ideal surgical anæsthesia

The evidence here cited shows that there is stitle or no variation in the anesthetic tension of ether in different individuals. Clinical experience has proven that some patients require by the ordinary methods of anesthesis more ether poured upon the cone than do others. The apparent discrepancy between these two facts can be accounted for by the following three factors

In the first place as the author explained in an amount of air breathed by different patients. Therefore varying amounts of ether must be poured upon the cone to hong the fluctuating amounts of air up to the same tension. When attempting to obtain the higher tensions in larger amounts of air up to the same tension. When attempting to obtain the higher tensions in larger amounts of air the weste of higher tensions in larger amounts of air the weste of higher tensions in larger amounts of air the weste of higher tensions or larger amounts of air the weste of higher tensions or larger amounts of air the weste of higher tensions or larger amounts of air the weste of higher tensions or larger amounts of air the wester of the control of

Secondly the volume of blood flowing through the lungs per minute varies greatly not only in different individuals but at different times in

L less sensory stands are blocked by the use of local senselete.

the same individual further the relative amount passing through the various organs will fluctuate from time to time Accordingly it is evident that the rate at which the braio for example becomes saturated or desaturated—that is, at the rate at which the patient becomes anæsthetized or recovers therefrom-depends upon the amount of blood flowing between the lungs and the brain - assuming the alveolar ether tension to remain constant. At present we have no means of esti mating changes in the circulation rate and therefore cannot calculate the exact value of this factor That it is of considerable moment how ever can be judged from the experiments previousby reported by the author which showed that the rate of elimination of CO2 was dependent not only on the volume of respiration but also on the rate of blood flow (25)

The third factor is the possibility of a variation in the rate of chemical reaction due to slight changes in chemical environment. On account of the well known influence that environment exerts on the rapidity of chemical reactions it seems quite possible that even small changes in audity viscosity permeability or temperature might affect both the rate at which the union between the ether and lipoid takes place during the period of saturation and also the rate at which dissociation occurs during desaturation on the reduction of the ether tension.

WARRING ETHER VAPOR

The question of the necessity of warming amesthetic vapors has received considerable atten tion of late years Confision has arisen from not differentiating latent heat the heat needed to convert a hound into a gas and the specific heat - the heat required to raise the gaseous mixture of ether and air up to the body temperature. In dealing with inhalation anaesthesia we are not concerned with latent heat because that is acquired from the surrounding air The amount of heat required to raise the ether-air mixture from the temperature at which it is inspired to body temperature has been worked out by Boothby His conclusions based on experimental work are that the loss of heat directly attributable to warming ansesthetic vapors is negligible in companson to that from the body surface He deems it far more important and practical to prevent the temperature of the patient from falling by Leeping him dry and warmly covered,

NITEOUS OXIDE-OXYGEN

Crile (23) strongly advocates a nitrous oxideoxygen anaesthesia plus local anaesthesia of two

tively rapid circulation the saturation was quickly accomplished It was likewise pointed out that the anasthetic tension could not vary with age because in the case of the baby sixteen hours old had an operation occurred a few hours earlier before parturation the foctus would have been saturated up to the tension of 50 mm requisite to narcotize the mother It is well known that pregnant women can be angesthetized with safety

Morphine up to doses of 1/6 gr cannot be demonstrated to have any effect on the anesthetic ten-

sion of ether (12)

ETHER -- OPEN DROP METHOD

Largely through the influence of the Mayo clinic (31) the open-drop method of ether anasthesia with the use of a simple wire mask to prevent the net gauze from lying directly on the patient's face has supplanted the various forms of other cones The use of the drop-method together with the realization that stertorous obstructive respiration even if not of sufficient degree to produce cyanosis can be avoided by the proper control of the air way together with the administration of an even and not too concentrated ether has in the last few years greatly improved the results obtained by the exhibition of ether as an anesthetic. It is by far the best

method for routine work.

The question of the ether percentage obtained hy the use of this method has been dealt with quite fully by Boothby (28) He has shown that small amounts of ether poured upon the mask will easily produce a tension of ether in the in spired air sufficient to etherize a patient provided the volume of air breathed by the patient does not exceed twenty liters per minute if the volume of respiration is over twenty litera per minute it is difficult and sometimes impossible for the in experienced to produce a sufficiently high tension so that the patient is quickly etherized. He also pointed out that under such conditions the vapors zation of the other could be aided by alternately placing the warm hand of the administrator on either side of the mask but in so doing care must be exercised not to hinder in any way the passage of air to and from the patient.

THE AMESTHETIC TENSION OF ETHER VAPOR AND THE LAWS GOVERNING DOSAGE

The theoretical side of anaesthesia is very well

set forth by Meyer and Gottleb (8)

They emphasize the fact that (q) a certain degree of saturation of the tissues with the angesthetic corresponds to every variation of the partial pressure of the gas in the alveolar air The depth of anasthesia is consequently at every moment dependent on the partial pressure of the anesthetic in the gas muxture respired

From this law first propounded by the French physiologist P Bert follows the extremely important conclusion for the management of anasthesia that the depth of narcous and the danger thereof is not at all dependent on the absolute amount of the anasthetic which has been used but upon the concentration of the ansesthetic in the respired air. The control and modification of the degree of action which with non volatile drugs is attained by modification of the absolute size of the dose is, during the ad ministration of gases attained by the modification of the concentration administered Consequently in every moment of the anasthesia a sufficient dilution of the anasthetic with air is an essential condition

That the depth of anasthesis is eventually dependent on the tension of the aparathetic in the inspired air is of course true it is, however immediately dependent on the tension of the ether in the central nervous system Both Con nell and Boothby have found that only slight variations if any occur in the aniesthetic tension required by human beings whose central pervous system is not otherwise under the influence of drugs or toxamias The divergent results of previous observers has been due to the lact that allowance was not made for the time requisite to bring about a condition of equilibrium in the ten sion of the anasthetic in the central nervous

system and the inspired air

Boycott, Dament and Haldane (s4) have stud sed the rapidity of saturation and desaturation of the body for nitrogen up to a pressure of six a tmospheres According to their calculation the body of a man would be hall-saturated with the excess of nitrogen in twenty minutes threefourths saturated in forty-six minutes etc the pressure remaining constant. They also point out that the rate of saturation and desaturation would vary in different individuals according to the relative mass of blood and rate of circulation In the same individual different organs would be more or less quickly saturated and desaturated according to the proportional volume of their blood supply

The term anasthetic tension has been adopted by Boothby (12) to express the value of the lowest partial pressure of ether vapor which when continuously respired, will maintain an ideal surgical naccosis after equilibrium has been obtained between the tension of ether in the inspired air alveolar air blood, and tissues.

The experimental data given by Boothby show that surgical narcosis is produced by a tension of 50 mm — a higher tension produces a dangerously deep narcosis and a lower tension an inconventity light ansathesis. The percentage asturation of the nerve-cell caused by any given tension of ether is not known. However, it can be assumed that the same degree of saturation is always produced by the same tension and that excitually a correct dissociation curve can be determined as in the thoroughly studied reversible reaction Hb-10,=TBiO, in which the percentage saturation of the harmoglobun with ovygen is dependent on the ovygen tension to which the hemosolous is exposed.

If such be the case our conception of the theory of production maintenance and recovery from anæsthesia can be rendered more complete by the following hypothetical formula Let Min represent the molecules in the nerve-cell affected by the anasthetic, and let An represent the group of inhalation anaesthetics. Then substituting in the above hamoglobin-oxygen equation the reversible reaction Min+An=MnAn is seen to take place. In this reaction the percentage saturation of the Min molecules in the nerve-cells and therefore the depth of angesthesia is dependent on the tension of the angesthetic vapor to which these susceptible molecules are exposed The percentage saturation caused by ether at a pressure of 50 mm produces that degree of cell inhibition that is necessary for ideal surgical anasthesia

The evidence here cited shows that there is stitle or no variation in the anisthetic tension of ether in different individuals. Clinical evienees has proven that some patients require by the ordinary methods of anisethesis, more ether poured upon the cone than do others. The apparent discrepancy between these two facts can be accounted to by the following three factors.

In the first place as the author explained in an earther paper (18) there is a wide variation in the amount of air breathed by different patients! The properties a variety and the properties are the properties of the result of the properties of the result obstance the speed of an engine above a certain point a great in proporties to the result obstanced

Secondly the volume of blood flowing through the lungs per minute varies greatly not only in different individuals but at different times in

Lukes sensory stanuh are blocked by the use of local susembletic.

the same individual further the relative amount passing through the various organs will fluctuate from time to time Accordingly it is evident that the rate at which the brain, for example becomes saturated or desaturated—that is at the rate at which the patient becomes angesthetized or recovers therefrom depends upon the amount of blood flowing between the lungs and the brain - assuming the alveolar ether tension to remain constant. At present we have no means of estimating changes in the circulation rate and therefore cannot calculate the exact value of this factor That it is of considerable moment, how ever can be judgedfrom the experiments previous-ly reported by the author which showed that the rate of elimination of CO, was dependent not only on the volume of respiration but also on the rate of blood flow (as)

The thard factor is the possibility of a variation in the rate of chemical vesction due to slight changes in chemical environment. On account of the well known influence that environment exerts on the rapidity of chemical reactions it seems quite possible that even small changes in acidity viscosity permeability or temperature might affect both the rate at which the umon between the ether and lipoid takes place dump the period of saturation and also the rate at which dissociation occurs during desaturation on the reduction of the ether tension.

WARMING ETHER VAPOR

The question of the necessity of warming angesthetic vapors has received considerable atten tion of late years. Confusion has arisen from not differentiating latent heat the heat needed to convert a liquid into a gas and the specific heat - the heat required to raise the gaseous mixture of ether and air up to the body temperature In dealing with inhalation anasthesia we are not concerned with latent heat because that is acguired from the surrounding air The amount of heat required to raise the ether-air mixture from the temperature at which it is inspired to body temperature has been worked out by Boothby (18) His conclusions based on experimental work are that the loss of heat directly attributable to warming anasthetic vapors is negligible in comparison to that from the body surface. He deems it far more important and practical to prevent the temperature of the patient from falling by keeping him dry and warmly covered

NITROUS OXIDE-OXYGEN

Crile (23) strongly advocates a nitrous oxideoxygen anæsthesia plus local anæsthesia of two kinds a all cases one for immediate and the other for a later effect in a considerable percentage of cases ether is also used to deepen the narcosis. The general amesthetic is administered by narces of exceptional capability especially trained for the purpose with great care and who have had much practical expenence. Using the principle of anon association the mortality at Lalesside Ho pital has been reduced from 4.3 per cent in 1908 to 0.8 per cent in the last 1,000 operations performed by Chie and his secociate W. L. Lower

In Crile's choic more attention has been poid to the refinement of the problem of onesthesia than lo any other clinic in the world In attempt ing to apply the form of anasthesia elsewhere no details can be eliminated and these consist on the part of the surgeon in careful deheate operating with large inci ions and avoidance of the use of retractors the use of local anaesthesia to present reflex hypertonicity of the muscles thereby decreasing the amount of ether needed to produce a deeper degree of anaesthesia which otherwise would be necessary and on the part of the anzethet ist, trilining and skill so that cyanosis is prevented a clear air way maintained and the proper mix tore of netrous oxide oxygen and ether adminatered

Straight nitrous orade-oxygen angesthesia without local stresshesse and without either as recommended by Prince (29) cannot produce except in a small percentage of cases, the ideal and saleonasthesia os represented by Crile's complete technique with a highly trained team

The mechanical difficulties of mirrous ovideorygen-ether anasthesia have been overcome by the use of the punciples pointed on by Cotion and Boothby (16) and later adopted by Gwathmey and Wookey (16). At Mildre (17) and others These principles are: (1) Reduction of the presure of nitrous order and orygen to an easily controlled pressure of obout 18 lb to the square inch (2) a vabile method of estimating the relative proportion of each gas being administered (2) easy addition of other in appropriate amoutos (4) evilusion of air and finally (5) maintenance of an obsolutely free air was

The desirability of nitrous oxide is increased as the necessity for ether is diminished. This factor depends on the surgeon ond requires the odiptation of the technique used by Cnle which allows the use of a lighter zone of anesthesia. This monet will presently be discussed more fully

Several instances of threatened come and one case of death in come (30) in patients suffering with diabetes have come to the author auttention following nitrous ordic anasthesia. Whether or not the nitrous ordide was administered in such a way that cyanoels and oxygen-waot also occurred as not known. At all events there seems little pustification as yet for the acceptance of the idea that nitrous oxide a sobsolutely harmless to the kidneys as some writers and us the manufacturers of introus ovade claim.

SYNERGISM

Fulnor (all) has suggested the term synergum to denote eacher the one-saded or the recuprocal augmentation of the action of one drug by that of another. The sprengside action of morphine nitrous could not chart has been long recognized in a qualitative way. Crite a (2s) technique is the practical application of this phase of pharmacology he however goes en further and hythe use of local amendment of the phase of the surpectified of the surpec

would otherwise be necessary
From the work of Crile previously referred to
it is evident that the shiffful application of the
synergistic action of certain narcotics—general
and local—has brought about an unequaled mortality record in or explanation of his results Crile
has advanced the theory of anon-succustion
However to many of those familiar with the laws
governing the aboration and distribution of
sixty properties of the state of the state of the
saction passes requisite to produce narross moder a
synergistic method of administration it veem
sore satisfying to adopt a working hypothesis
based on definite demonstrable facts in pharma
cology rather than on the more abstrase and less

clearly defined data of anon-association.

Consell a preliminary tensions of nitrous orade and ether that he has found necessary for producing complete surgical narrosis agree very closely with some of the author a unpublished calculated values. Connell finds that the following mixture

will take care of any case
Artrous orde at a tension of 650 = 20 mm

Oxygen at a tension of 85=15 mm Ether at a tension of 15=5 mm Nitrogen at a tension of ro=5 mm

Only a sight percentage charge in the trootom of natrous coule case to be accomplished by decreasing the oxygen tension as it is not safe to lower the oxygen tension below 70 mm any increase in the depth of ourcoss that is required can only be obtained by the saddition of ether. Another tension in recess of so mm will rarely be needed however even if more than 10 mm or required the character of the nacross departs from the desirable sutrous onde type and tension rapidly to become almulat to _attraight ether anesthesa.

The necessity for deepening the narcosis with ether can however be in part avoided by delicate operative manipulation but mainly by preventing the sensory stimuli from tending to awaken the patient in other words it is unnecessary to produce in the central nervous system such a degree of cell inhibition as would be the case if those cells were continually receiving stimuli

It seems therefore that the explanation of the success of Crile's technique in so far a it con cerns the anaesthesia as distinct from the judg ment and skill of the operator is pharmacological Instead of phylogenetic that is his method produces less miury to the organism as n whole first by taking advantage of the synergistic action of several narcotics using none of them in an injurious dosage and secondly by decreasing the amount of cell inhibition needed by making use of a lighter zone of anasthesia through the ny ordance of a wakening stimuli rather than by the prevention of the shock or exhaustion that a assumed to be produced by these

stımulı Recently a new combination of aarcotics has heen tried namely magnesium sulphate and ether Meltzer and Auer (rg) have shown that rabbits which have received 0 6 gm magnesium sulphate per kilo a dose insufficient to narcotize normal animal can be completely nazsthetized by the administration of an ether tension in sufficient to do so in a control rabbit. In a person af communication Meltzer has informed the nuthor that he and Peck are studying this question on human beings and that the results are very gratifying

If magnesium sulphate ia small safe doses is found to materially reduce the tension of ether required to produce narcosis in humans, and if the antagonistic effect of calcium to magnesium sulphate can likewise be adopted in surgical anasthesia marked advance in our anasthetic methods may shortly occur. The analening effect of calcium injected into a rabbit was very strikingly demonstrated at the annual meeting of the Physiological Society in Philadelphia by Gates and Meltzer (22)

CENTRAL AND PERIPHERAL ACTION OF AMESTRETICS

Auer and Meltzer (2n) have studied the effect of ether inhalation upon the skeletal motor mechanism and found contrary to the general impression that ether has a decidedly depressive effect on the penpheral nerves and muscles they consider that ether besides its undoubted central effect is capable also of a curare-like action

Githens and Meltzer (21) found however that the phrenic nerve and the diaphragm were distinctly less affected, for after complete sloppage of the spontaneous respiration indirect stimulation of the phrenie nerve as well as the direct stimulation of the diaphragm cause a fairly good contraction of that muscle On the other hand at is evident that the irritability of nerse and muscle lose a good deal in the course of ether anasthe ia and that toxic action upon the peripheral respiratory mechanism begins at an early stage of the etherization They conclude

therefore that probably the intorication of the peripheral respiratory mechanism has some share in the early stoppage of the respiration by

ether anasthesia

On the other hand Githens and Meftzer found that chloroform practically does not affect the irntability of motor aenes.

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ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

ANÆSTHETICS

McCardie M B Blumfeld Hewitt Waggett and Others Discussion on Posture in Relation to General Ansethesia P & Roy Soc Ved. 9 4 vu, Sect A sethesia 39 By Surg G nec & Obst

MCCADDE opened this discussion stating that the importance of posture in general anaesthes are marketly be overstated. Not arriving to cover the whole ground is done in wich an admirable work as liferants is enalyzed various postures as affecting (i) respiration (2) circulation (3) perves of extremities (4) muscles and joints (g) viscers, as stomach intertines or kidneys.

A sleeping child is a criterion for study and its general semilexion of joints a hi t for anesthesia Operations on the appet part of the body suggest a higher position of head and shoulders than in operations on the lower half. In brain cases an extended head rest and for the prose position elevating pairs under the claytifes and since crests are necessary to

relieve respiration

Throat operations demand a posture which favors exit of blood s e. lowered head It may develop that intratracheal insuffiction will make possible an upright position and yet avoid gravitation of blood into the traches The head extended over the end of the table is against the rule for semiflexion in spite of it favoring exit of blood Sitting upright is a much discussed postura one point being that the I ght degree of anasthesia allows it another against it is chloroform with its alleged danger of syncope though some cl m exemption from experience of The semirecumbent postura is condemned The danger of bracheal paralysis from extended arms s evident Operations on the lung and pleura demand careful attention so as to give the good hung the utmost freedom

The Trendelenburg position is one involving many considerations and much difference of opinion based on conditions present in the cases discussed. It is the post ton: I nealth assumed for easy breathing Viers bore chits was found after it. Pneumous was more common to pulmonary embolism but here the fiexion of legs was a factor to consider in the consequences. In eight case of other and eight of chloroform almost no unne appeared in the bladder of the consequences and the consequences are of the read eight of chloroform almost no unne appeared in the bladder at other death upon rausing a patient with the consequences of the heart. In 1913 GANCII GANY and disease of the heart. In 1913 GANCII GANY and Many reported a throough everymental study of this

position finding asphyras more fatal in it than in the horizontal II conclusion it should be tolerated as lettle and for as short a time as possible and with the legs in a position of ease never in organe discusses of the heart lungs arteries, mr kidneys nor as obesty The joints uffer from constrained positions more than is resized as Godditwant has possible of the control of the control of the control of the control of the form of the control of the form of the control of the form of the control of the control

The post-operative posture should be a natural one as in sleep for persistent vomiting after recovery the utting posture may reheve helping the stomach to empty sited in stimular or for that dreadful condition distantance of the stomach the prone position has distanted by the stomach the prone position.

is helpful even having restored one in extremis Bruntzan rallied to the defense of the Trendelen burg position under chloroform for shock and pointed out that the sitting position is dangerous nader a deer sarsthesia when not under a light

HEWHT also showed some advantage in the Trendelenburg position for shock the embarrass-ments therefrom heing due to obstructed air way and usually ramovable. The head-down position in transferring pat ents after operation is bad the lateral being desirable.

WAGGETT advocated the sitting posture for nose and throat cases as helping the surgeon and not bermful for the patient the anisothesia not being reduced after an initial low posture of course the marethesia merover being a light one HARMEN on the other hand advocated the lateral postuon for nose and throat cases — FRANK W PYPEGO.

Gwathmey J T O I Ether Ansesthesia N F M J 1914 acm 1 By Surg Gyace & Obst

Gwathmey refers to the infancy of anaesthesia as still shown by nur limited knowledge of a great number of substances having some anaesthetic property for there are nearly a thousand of them and we bave adequate knowledge of only about a dozen as anaesthetics

Animal experiments to the number of about twe ty lour were performed to ascertain the value of ether as an anisathetic when introduced by rectum. The solution first used was about 500 crm of 5 per cent ether in normal sail solution. Ether in oil was then substituted the oil preventing surfation and holding the ether in solution while surfation and holding the ether in solution while

the ether by the change from lequel to gas in the rectum checks both evaporation and absorption thus regulating the dose stred by Another cegulating factor is the fact that the elimination of ether from the langs is faster than the absorption from the rectum Lapenments os avenas oils far the purpose were made and carron oil chesin laceause to the color of the color of the color of the color of the other oils in the oil an about no fourth the time of other oils in the color of the

Experiments were made on dogs with various proportions of olive nil had ether cesulting in the adaption of a solution of from fity to seventy five per cent ether according to the age and sue of the tadividual the quantity used in be about one quace in every an pounds of body weight. The friection is made all at once inllowing a prefiminary bypodermat e ni morphine and atropine and a cectal injection of five to twenty grains of chloretone the rectum being clean When the operation is finished or in case the dose proves too much the nil-ether mixtace may he withdrawa by a pour of small rectal tubes inserted. In conclusion an irrigation with cold sospsads follows and finally a to 4 ounces of plive nil ace introduced and then a reat to a quart of cold water Recovery of consciousness comes in fifteen to thirty minates

Sality governed the earl er work on human beings and the lower percentages of other were insufficent for a surgeal searchesis in some while in others surgeliementary either by substition was needed. Now by the above method creation section and the surgest of the section of th

Gwathmey J T: Th Colonic Ansethesi 630 By Surg Gyace & Obst.

For this method of a seathers fix apparatus us one rectal take a clamp for it a gias famed and a Lockwood tube. Trapparation consists of decauge the rectum by caster oil and emone a chlorotone five to ten grains in either and of we oil by rectam morphine one quarte grafa with atropiace nee one handredth grain hypoderestically, and family ether seventy five per cent in shive oil, infected by gravity into the rectam the quantity about mee once five as everage adds of its operation of the control of

in five minutes and amesibens as abo I ten more Care to m totan a free a rwy for breathing is very important as in y anarethetic Sapplementary ethe inhalta on my be required fo induction. At any time the residual oil ether in the rectain can be removed by lowering the funnel tibe and at the end of the operation heade this cold soapy water is injected by this tibe and ce

tunned by the other introduced ubongarde and final by a punt to a quant of onli water as left in Reference cemain active and stertor and puffing of the lays are not allowed Caution is urged against signs of foo profound an ameritance and against let danger that the simplicity of method may be a mance in the annury Frank WP to or

Boothby W M and Sandtford I: The Calibra tion of the Walter Gas-Balance and the Council Ansethetometer J Pha na of Ex Then) 19 4 v 359 By Surg Gyne & Obst

The calculations necessary for calibrating the saler gas balance for ether are given in detail Tables are appended to samplify the corrections needed for variations in barometer temperature water vapor and alcohol content of ether it is probable that the corrected tension is accurate to within #0 n gim.

By means of the Waller gas balance that cabbrated the Coamel amendmenter has been tested and at has been found that the tenum of other debared by the apparatus was on the average a c num too high the maximum error heing +13 mm. The Cummell apparatus adjusts useff to atmospheric conditions if the either delivery is expressed in fermion and not in percentages.

Boothby W M and Peahody F M A Compart son of Methods of Obtaining Aircolat Air A h I ters I Mel 19 4 mu 407 By S 1g Gynca & Obst.

Is a result of an extensive comparative study of various methods for obtaining the tension of gases in the advodar ule with especial reference to the use of these methods in chancil work this authors have

artived at the following conclusion.

The Haldsun enthod gives results which approximate closely the average gaseous composition of the alveolar sar. It is the most table and accurate method when used on intelligent and accurate method when used on intelligent and apprenenced subjects. The necessity however of obtaining v. yr deep and forcible experiations limits usefulcious when working with antrained or sick

The Lundhard method and its modifications give values analogous in those of the Haldson method. The method has the adva tage however of requiring such deep expensions as the Haldson method. The technique of taking the samples as however made more difficult for the observer. In wratan types of pathological cases, notably an unconscious nevery sick patients with a large alvoolar ventilation the method is useful and the tech mage sample.

The Piech method gives values for the carbon droude tension which are higher the those notained by the Haldane and Lindhard methods Successive determinations at a sufficiently constant values. The technique in the method hoth for the observer and for the subject—so simple that the method is especially useful in routine clinical work.

SURGICAL INSTRUMENTS AND APPARATUS

Sinclair D A A Retro-Urethral Cyctoscopic
Guide for External Urethrotomy V T if J
1914 xxxx 677 By Surg Gynec. & Obst.

In order to obviate the difficulties of external urethrotomy without a guide Sinclair has assembled the following instruments a trocar and cannula (15 French) three mebes long a etraight observation cystoscope (12 French) five melose long a Herafeld custachan eatheter (18 French) with sputal cod and

fishorm bouge to fit catheter
The technique reas follows
mesthesis with the bladder full of unne or filled
with bone solution from a pressure eyrioge with the
patient in el ght Treodelenburg position the trocsic
rannula is plunged eightly anter-forward into

the bladder one soch above the pr c ermphysis After removing the trocar and irrigating the life ... through a soft catheter the bladder is fired w h bone solotion, the systoscope introduced th oreh the cannuls and the internal nrethral mea, ne loca ed After placing the cannula in proper post year the custachian catheter is enbitituted for the cyrroscope and the urethra catheterized down to the tiretheal stricture The patient is they put is L.betony position for a perineal incision down to the calbert whereby the urethra is opened to permeal drainage and the etricture field eradicated, the empanion puncture closing without drainage. The author also shows a modification of the cystoscope so that the Internal urethral mouth may be cathetenzed with a flemble metal bouge under direct vision th orgh a cathetenzing instrument CRIS. E. BIRRETT

SURGERY OF THE HEAD AND NECK

HEAD

Bloodgood J C: Carctnoma of the Lower Lip lts Diagnosis and Operative Treatment S rg G rc c Ohn 9 4 11 404 By Surg Gynec & Obst.

The author shows that the local propaganda of contaction has increased in the past five years the per cent of hempi lessons from 4 to 18 and has decreased the inoperable cases from 18 to 8 per cost. The in estigation of the end results of all cases of

The no estigation of the end results of all cases of the fully developed cateronam of the lower lap a which five years or more have elapsed since operation demonstrate that the glands below the Jaw to the contract of the contract of the contract of the lup has been excised there have been 3 p per cent of late recurrences to the gland of the neck Operations at this stage rarely accomplish a cure perhaps in only 20 per rent of cases When the operation consisted of the removal o, the lessoo on the hip and of the glands of the neck and when they have shown no meta tasts outer the microscope of per cent have remained well when however the glands did show metastasts only 52

The investigation also discloses the danger of any method of treatment of the disease on the lower lp which fails to cure the local lesion or to remove th glands of the neck. While the per cent of cures in the three primary groups are respectively 63 05 and 50 per cent it falls in the recurred cases to 20 to and so per ceot, respectively. In all forms of cancer the two factors over which we have control are the duration of the disease and its curposal treatment To increase the narober of cures of cancer of the hip people must be educated to the potential dangers of the smokers burn at the mucocutaneous border of the hp of unbested blutter and ulcers and all wounds of warts and any area of and uters and much a lesson does not disappear spontaneously within a month it should be excised with a margin of healthy tissue. The piece chould a th a margin or mercal to microscopic examination and if carcinoma is present the operation upon the

glasons or the microstopers of describes an detail a methol of removang the glande of the oeck which promises better results to cases in which the glands err involved.

Comparative Table of Results in Cancer of Congrature Table of Results in Cancer of Surgical Pathological Laboratory of the Johns Hospital and Homosoft

showest warts secretain persisio one presided separable This table shows that the local propagands of education has increased the benign lesines in which there are into per cent of cures from 4 to 78 per cent and decreased the hopeless or inoperable cases from

r8 to g per cent

The period 1908 represents 19 years — from 1859 the period 1913 — five years Table of Per Cent of Cures in the Operable Cases

of Cancer Up to 1008

	Company Company			Recurrent		
Escape of	Total	Curei	Local	Total	Cared	Local Escri
lp lesson		7=63^	resca	1	-10	ma L
N merastaals Metastaan		1-95		;	1-400	
Totals	44	77=12°	•	1	1=35	

This table shows that any previous treatment of the little lesion on the lip which is not effectual reduces the chances of a cure from a later proper operation from 75 to 33 per rent

In easier of the hp the glands of the neck beneath the jaw should siways he thoroughly removed. The probability of their involvement is at least 16

per rent

H

We know that \ my has no effect on meastating indust in the neck and we have no data to induce that radium will be any more effectived. Therefore granting that \(\times\) my more effectived. Therefore granting that \(\times\) my or dumin may now and then care the leasan on the by the patient still rens a very discretion in the leasan of the by the patient of the area of the my and a very discretion it retained to employ \(\times\) my and radium for any operable caocer of the high \(\times\) my and \(\times\) of the 18 cases of multiparts what which are not

Of the 18 cases of malignant warts which are not included so the above table 17 have been cured

15 of these are five-year cases
Table Showing the Duration of the Disease in

WIGHT OF THE TOWER WIN DESOFT CHESTON	
Low then a mention	Come
p to a mentype p to a mentype	缉
a go mentya	r,
to 6 mars he	×
I months to years	,
in y years	7
a to 5 years a years and over	•
	ᅶ
Total of cases	70
The table shows the necessity of a second	

This table shows the necessity of a propagata of clustation. Inouly r. or y perrent of eases have patents sought advice for the little leave in the lower hip at the most favorable period—viable the fort there rountles of its custice. There is really no necessity for the delay of even three minths because within this period metastatis to glands has

taken plare in cases, one of which has been cured Of these try patients in n op per cent are well The lesions in these it cases were as f llows a benign — all well is realignant warts — both cared 6 fully developed cancers in 4 of these the glands showed no metastasis, and these patients are w. If in a the glands aboved metastasis the patient whose elands were removed at the first operation is well. is the second patient the glands were not removed as they should have been at the first operation, and this patient died of cancer of the glands of the neck The per rent of cures therefore in the 6 cases of

The per tent of cures therefore in the 6 cases of cancer in which the lesson had been present 3 months or less is 83 per cent as compared with the average of 75 per cent in all cases. The per cent of cines in the 4 cases in concer without metastasis to the glands is no per cent as compared with 95 per cent in all cases without metastasis to the clands.

Had the glands been removed at the primary operation in this nne case the chances are that the per cent of cures in this group would be 100 per cent

This gives the facts in a multiple! Patterns with little leasons of the hp who submit to the simple operation at least within three mooths of noticing the leason should have see per cent chances of a cure of the surgery is thorough. We have no available evidence that any mither method of treatment prom

isea results which can compare with these.

The two factors over which we have control are the duration of the ducase and the treatment. It should not be a difficult matter to educate the public

to both

The euclopeal factors in cancer of the lower hip are Burns from carrying sails and other foreign must rathen from carrying sails and other foreign must real beta even the law unhealed fleer historia, reache and chaps. The little lesion can always be from-dately seen and felt. Pan in usually absent When the lesion as first observed amolang should case; the terth should be put in order the hibit of hitting the lips or carrying foreign material between them corrected the little issues should never be trouched with cusature or picked if if the early and the control of the c

although this is very unusual

If cancer has developed the glands ni the neck
must be removed

When this rule is followed in every case on one should fear ensurer of the lower hip. There will be no mutulation and even the danger of the operation on the glands in the hands of a competent surgeon is negligible.

Dural P. Preservation of the Upper Branches of the Pacial in the T tal Removal of the Parotic for Duran payers than Cancer (Conservation to Duran payers to first Cancer (Conservation but de la parotic en dors du cancer). Res de de 1 to 4 1 1 2 By Joural de Chreste

cht sp 4 1x 3 By Journal de Chruspe The surgeon oft o performs a limited operation in removing tumors of the parotid gland because of the first of facial paralyus. It is only the eye complications that are of any real importance an that if the branches supplying the eye can be avoided the extirgual in can be m de more radical and recur rence more surely avoided Duval has succeeded

in doing this in two cases

The facial nerve penetrates the gland dividing it into two layers the lower one of which is very thin The facual should be found at its exit from the skull and the upper (frooto-palpehral) brench followed to the posterior superior angle of the parotld Tn do this it is necessary to section the masterd and sectioning the posterior belly of the digastric makes it easier to find the nerve and pass behind and below the deep lobe of the gland The cervicofacial hranch is cut at its origin and also some of the lower fibers of the upper hranch only those fibers being spared which control the eye It is then easy to displace these fibers upward and in draw donoward the this layer of the gland that hes below the nerve This is seized with forcers and drawn downward and forward with the rest of the gland] OETACIYO

Vincent E Treatment of Fracturesof the Base of the Skutt by Early and Systematic Trephining with Opening of the Dure Mater and Mentn with opening in the bure assect and attention of goal Drainage (in the trement des inactures d' la base du crà par la tripanation précore et systèma tique ave ouvert : ne de dure-mère et dira nage mén ingé) Res mid d'Alper 1913 !

By Journal de Chruspee

By Journal de Chruspee

Vincent who has previously published his Ideas as to preventive systematic trephining in frectures nl the skull now reports rs new cases operated un only four of which ended in death With the 8 cases of recovery published previously he now has 23 cases with 4 deaths. The deaths have always followed the traumatism very quickly being due to cramal dislocation severe miney to the hrain or contusion of the medalla

It is impossible to cure all patients who have fracture of the base of the shull there are mintles ro the nervous system that make death inevitable whatever the treatment There must therefore be some mortality but Vincent s statistics show that where the 10jury to the hrain is not irreparable this treatment briags recovery. The best proof of this is that the patients who survive the first accident do not die miserably as they formerly did after 8 to 10 days imm meaningo-encephal tis be cause the operation overcomes hypertension and avoids infection Leaving out the 4 cases where death was mevitable there rema a 9 cases of recovery after trephiniag Vinceat meiatai a that this oum ber of successful cases without meoingo encephabita shows that the rational treatment by early and systematic trephining with meningeal dreinage should be continued until statistics are produced to show that fractures of the base of the skull c u he cured hy simple lumbar puncture or by the espectant treatment

Tooth, H H The Indications for Surgical Treat ment to Intracrantal Tumor Procests er Lond 0 4 xcs 487 By Surg Gypec & Obst.

In analyzing 407 cases of hrain tumor with a iew of determining what the average survival

period was they were found in fall naturally late those with and those without post mortem verifica. tion They may be viewed from the standpoint of zituation and nature of growth but all consideration of inaccessible tumors and tumors of the petutary body have been umitted

Forebrain lumors offer no serious surgical dif aculty as to site the casualties being common to extensive removal of bone in any part of the crasual cavity Of 161 forebrain operations, 27 7 per teat died within 30 days nearly half of these within 24 hours Of the tumors that may he removed with some degree of assurance that recurrence will not result are the endotheliomata simple cysts, gum mate and a few of the glomata The cadothelio. mata are the most favorable and of 15 cases in the frontal region 8 roade good recoveries and 6 of them are alive and well to date 4 to rn years after the average survival period being higher than for any other class of new growth

Sercomate and cercinomete are noly suitable for a decompression operation while even tuber culomata cannot he trested surgically without grave risk of tuherculous meningitis The survival period in the operated glinmata cases averaged only 12 7 months from operation as compared with those runmog a naturel course from first symptom to death at m r months Of 37 cases only 4 are known to be shee The high mortality is due mainly to recurrences and even though a successful removal undoubtedly affords relief it must be remembered that the partial removal of as labocent type of ghoms may result in a phase of activity very acute and more abytomby malignant than the original growth Decompression and exploration in the forehram show a mortality even higher than that of the redical treatment but this result affords no enterion of the value of decompression as compared to the radical operation as the former have mostly been performed upon the worst cases or have been two stage operations the patient not surviving the

The resolts of operations on the cerebilium are generally unsatisfactory the gross mortality being to favor of decompression and against the radical

The results of surgical treatment of the citra cerebellar group are disappolating in the estreme These non infiltreting almost innocent tumors ahould lend themselves most successfully to opera tion while the position of the tumne pressing as the medulla rendera operative interference imperative But sudden relief of pressure upon the vital centers is followed by ordema increased vasculanty and probably hemorrhage The most that seems just able is to relieve pressure by free examples of followed by decompression after as long an latery

The conditions which indicate the necessity for mmediate relief whether localization has been made or not are referable to the of intracrastal pressure and suggest either a rapid phase of gr with

of Cancer Up to 1008

This table shows that the local propagands of education has focreased the benign leanns in which there are 100 per cent of cures from 4 to 18 per cent and decreased the hapeless or inoperable cases from s\$ tn 5 per cent

The period 1008 represents 10 years - from 1880. the period 1973 - five 3 cars Table of Per Cent of Cures is the Operable Cases

Exchange of Tetal

This table shows that any previous treatment of the little lesson on the hp which is not effectual reduces the chances of a cure from a later proper

operation from 73 to 33 per cent In cancer of the up the glands of the neck beneath the iaw should afways be thoroughly removed The probability of their involvement is at least 36 per cent

He know that A ray has no effect no metastatle glands in the peck, and we have an data to ind cate that radium will be any more effectual. Therefore granting that 't ray or rad'um may now and

then cure the lesson on the | p. the patient still runs the risk of metastasis to the glands. It is therefore a very dangerous treatment to employ \ ray and radium for any operable cancer of the I Of the 18 cases of malignant warts which are not

included in the above table to have been cured

rs of these are five-year cases
Table Showing the Duration of the Disease in Lesions of the Lover Lip Before Operation

This table shows the necessity of a propaganda of education. In only ar or 7 per rent of cases, have patients sought advice for the lattle lesson on the lower lip at the most favoreble period - within the first three months of its existence. There is really no necessity for the delay of even three months because with o this period metastasis to glands has taken pl ce 10 s cases one of which has been cured Of these rr pat cats 10 or 91 per cent are well

The lesions to these it eases were as follows 3 benign - all well a maligna t warts - both cured 6 fully developed cancers in a of these the glands showed no metastass and these patients are well In a the glands showed met tasse the patient whose plands were removed at the first operation is well

in the second nationt the glands were not removed as they should have been at the first operation and

this potient died of cancer of the giands of the neck The per cent of cures, therefore fo the 6 cares of cancer in which the lesion had been present 3 months or less is 83 per cent as compared with the average of 75 per rent in all cases. The per cent of cures in the 4 cases of cancer without metastasis in the glands is too per cent as compared with 95 per cent in all cases without metastasis in the glands

lifad the glands been removed at the primary operation in this one case the chances are that the

per ceat of cures in this group would be roo per cent This gives the facts in a nutshell Patients with f title letings of the hp who submit to the simple operation at feast within three months of noticing the lesion should have roo per reot chances of a cure of the surgery is thorough. We have on available evidence that any other method of treetment prom ises results which can compare with these

The 100 factors over which we have control are the duration of the ducase and the trestment. It should not be a difficult matter in educate the public

to both The etiological factors in cancer of the lower lip are Burns from smoking wounds from teeth sen tation from carrying pails and other foreign matereal between the lips unbe led fever bluters eracks, and chaps. The little levon can always he imme-diately seen and felt. Pain is usually absent When the lesion is first observed amoking should cease the teeth shoul f he put in order the habit of biting the lips or carrying foreign material between them corrected the little lesion should never be touched with causion or picked. If ft does not heal within there weeks it should be cacined. This can be done under local anasthesia without pain of mutilation The fesion should be excised with a good margin of healthy tusine and subjected to subcroscopic examination because it is possible that cancer may have developed even within one month although this is very unusual

If cancer has developed the glands of the neck must be removed

Wheo this rule is follo ed in every ease on one should fear esneer of the lower lip There will be po mutifition and even the danger of the operation on the glands in the hands of a competent surgeon is negligible

Dural P Preservation of th Upper Branches of the Facial in the Total Removal of the Parent for Other Diseases than Cancer (Consertion des rames e supérieurs d'facial da te impalies totale de la parot de e dehors du cancer) Ree d 914 15 38 By Journal de Chirerpe

The surgeon often performs a limited operation in removing tumors of the parotid gland because of the f ar of facial paralysis It is noly the eye compleations that are of any real importance so that if the branches supplying the eye can be avoided the extirpation can be made more radical and recur

that the language zone was on the left sade in right handed people and that it occupied all the combiliance of the combination of the combination of the combination in the combined partial and that at companed two parts the positron one. West nacks some sast the center of verbal dealores first temporal—and of verbal blundness the antenone composed practically of the foot of the thord from the combination of the combination of the sensory aphasan was held to be due to a lesson of Wertunke's zone and motor aphasas to a lesson of Broca scenter.

Total aphana implied destruction of all the lao guage nome. Mane and Montier agree that senging paparation after a fixed and the senging aphana is railly due to a lesson of Wermickes now to they hold that motor sphanas cannot be considered a lesson of the third frontal. They do not believe that the language center as described by Broos can is. Motor aphanas results from a lesson of the lenticular zone a ragion comprising the lenticular nucleus and the convolutions of the lenticular nucleus and the convolutions of the shand. The lenticular nucleus is a center of coordination oncorr aphanas is a list of coordinational conceptions does not make any great difference in the surgical procedura.

Fromcot gaves the following rule for surgeons after a gave as when affects the spoken and unition word is doe to a lesion situated more asternerally than that for stensory aphasis. In a patient with aphasis a trephine should be made in the region corresponding to the island more especially its aniesor extramity. The opening can then be prolonged for ward or back ward depending on the less of the corresponding to the contract of the corresponding to the contract of the corresponding to th

Lawroff W: Repairing Defects in the Dura by Transplantation of Fascia (Zur Frage des Fr sates on Duradel him durh Transplaniation on Fasci) B b's bl Ch 914 hrans 456 By Journal d Charley

In 1011 Kinchner description in valently defect in the dams and covered with transplanted address on the dams and covered with transplanted factor. It is also that the suther adds a first the first the suther add a raw cases from the Olbuchow Hospital at St. Petersburg. In s of these cases the binan symptoms appeared a long time after the skull fracture. In one case they were caused by a splinter of hone in the other by addenous hetween the sorface of the brain and the skuo which followed an sorface of the brain and the skuo which followed an other cases of the direct was covered by factors. Income the cases from the back. In both cases after the operation there were no further brain symptoms.

I the two other cases the skell furctures we recent I be first case the brain substance had prolapsed the defect in the dura was covered with lascia. No attacks followed the operation. In the second case there was also prolapse of the brain The dura defect was covered with lascia. Five dy a fitter the operation epileptoid attacks occurred and as a harmstorm was discovered under the trans-

placed fascia it was ramoved. For a while thera were no more attacks, but three and one-half mooths later the patient appeared again as the attacks had recurred.

The course of this latter case exased the anthor to give up the use of fascia for covering defects in the dura in fresh fractures of the skull From the published cases as well as from extensive experimen tal work the author expresses the belief that fascia as an excellent material for covering defects in the dura the fascia takes well and without reaction closes the subdural space bermetically and binders not only the entrance of infective material from without but the escape of brain substance. It olso prevents bernia of the brain. But adhesions between the transplanted fascis and the hruln sub-stance are not always avoided. The formation of these adhesions is often explained by Injunes to the brain during the operation but adhesions are somrtimes formed when there has been no injury to the brain whatever VOY HOLST

Diller T and Miller R T: The Successful Re moral of a Tumor from the Frontal Region of the Brain Aw J W Se 1014 Cal il 550 By S rg Gynce & Obst

The first symptoms of the case were twitching novements in the epigastric rapion. After a time these also appeared in the left hand and arm later the arm and left leg became weal. The picture was that of pure Jacksoman epilepsy in an otherwise healthy woman of 53 years.

The operation was accomplished in two stages, At the first operation the tumor was located just salerior to the upper portion of the motor cortex and extended in to the mod longitudinal sucleus but on account of shock from loss of blood a closura was made. At a subsequent operation a few days later a tomor measuring 4 5 x 5 y 2 g cm was ennelseled that tumo was encapsulated and was chagnosed as a harmango-endotheloum.

as warmango-enothelioms
Following the second operation the patient was
paralyzed in the left arm face and leg. From this
she subsequeotly recovered and both arms ond
legs rapidly hecaries stronger. Evorye Casy

Walther M Dermoid Cyst of the Inion (Lyste dermoide de t mon) Bull d l'Acad d méd 914 lun 355 By Journal de Chrutene

Walther has operated on two dermoid cysts of the moon. The first case was published in 169 after having been presented before the Sorpical Congress in \$59.5 A man of 3, bad a fatula at the occupital purtuberance following the removal of an extraorability of the first study perfect the 4 skull and opened into a large fotracranial civity. The author made as certainver resection of the occupital boos made accordance reserves the could not dissect the wall of the cyst which the could not dissect the wall of the cyst which the could not dissect the wall of the cyst which the could not dissect the wall of the cyst which the could not dissect the state of the cyst of the could not dissect the state of the cyst of the could not dissect the state of the cyst of

or an internal hydrocephalas These are (3) Increasing seekiling of the optic duc (4) the genser form of optic nauritis partisularly if there is a dumination of vastal active, (3) increasing dewas ness slow cerebration and other mental atates (6) respectory distress or distance of respiration of control of the control of

l'i s'usual to operate in two or more stages ac cording to circumstances. The first stage is the consection with removal of simple bone or its connections with removal of simple bone or its completion of the stage. It has been supported by the amount of the stage o

The sequel of the first stage is often marked in processing the stage of the stage of the stage of the appearing headsth cessing convolutions becoming less frequent and paralysis even lessening. The best evidence of the lasting relief of pressure is the visual near the stage of the stage of the stage visuals in a week. On the other hand, no relief may follow and it becomes necessary to give further relief by decompression or in a special cases by

radical removal of the tumor

The second stage implies reopening of the sland flap and justication of the dura. These sebe critical moment in which the decision must be made whether to fease matters as that year or to attempt removal of the timor. If vasible and highly was caller its insigns ill-defined its consistency soft it is almost sare to be a rapidly growing gloma to other usal grant itmore and is hard left alone. If it is non vascular perhaps cyrin it again may be gloman hat quescent, and should also be left alone as removal will surely be followed by management in the property of the stage o

Post-operative abock is generally less frequent after the second stage and the montality in postionately low. Sight sepas of the flap is a serous danger and septic meningsts claims many. The fature course of the case depends upon the behavior of the timor itself. If it continues to estinge or of the timor itself. If it continues to estinge or a return of all former symptoms and the patient lances into a vergetative existence until death. In

the more invorable cases the patheots lead useful hies, with fittle more than the discomfort of the herma for a term of years E. K. Azustrova

Thorburn W Address on the Present Position of Cerebral Sargery Med Chronide 19 4 hr 1 By Surg Gynec & Ohst.

The author attampts to arrive at some general conclusions as to the final results of supposit in the ference an epicepy and cerebral tumors. In considering pulpersy it must be enamembered that all most any operation may produce o tamborary arrest of symptoms and one must thus be certain that when a direct attack upon the probable focus of symptoms and one must tun be to make the disease appears in have cured it one is not missed by a mere full in the symptoms. Cushing a figures of gasease are quotient with no y per cent of croo eness may be a produced with no y per cent of croo eness may be produced to the produced and y per cent manached y morphisms.

The author's sense consists of 19 cases which has followed for at least two years. Of these 5 are completely, cured and 6 greatly impro ed or 10 other words over a quarter have been successfully operated. The author advases that operation hamilted absolately to training cases with a definit cranial lesion or focal symptoms, as he has never seen any beacht from operation for indepattic epilepsis. Commonly adhesions of the durts to have been also beach from operation for indepattic epilepsis commonly adhesions of the durts to have been applicable an ostenia, or cysts. He has never had any trouble with the cranial defect

and never had to use any artificial covering Fou hundred and ninety cases of cerebral tumor rou numera and money cases of cereors under assumed that operation was of little or no value or may have hastened the each any oper cent while it has probably saved or greatly prolonged life in 23 6 per cent In 38 3 per cent its value was doubt ful. While a cure of less than a 5 per cent is not very encouraging it must be remembered that the great majority of cerebral tumors are malignant and thus we are driven to the position that with our present resources cerebral a rgery has to sim ot so much at the cure of malignant disease as to the prolongation of his the prevention of blindness and of intense headache As in the case fepilepsy mere exposure of the cerebral cortex is almost free from risk whereas deep operations apon the brain sabsts ce become very fatal, the dangers of ar ploration heing as great when the growth is not found Early decompression is advised in every case of cerebral tumor while anything sise that may he done must be left to the opportunities of the moment in favorable cases E K Austracoo moment in favorable cases

Froment Gerebrat Surgary and Recent Discussions on Aphania (La chrunge offibrales et les discussion récentes sur l'aphan). Lyon mail 914. ccciu, 665. By Journal de Chrunge

Before the work of Marte and the discuss one before the Naurological Society (908) it was held Antithyroid serum thyrodectin and rodagen are all very expensive remedies and the author has not been favorably impressed with their value Belladonna, digitalia, and the \ rays have occasion

ally been found useful

The injection of adrenain solution 1 noon into the pleural extry percents the reaccumplation of final after tapping but it also favors the formation of final after tapping but it also favors the formation of adhesions. The author prevents this by impeting filtered air and parafilm. This permits the value in the fluid to be drawn off without discomfisert and prevents the rapid spread of musched in tuberculosal pleurity. Though the secretions of the supersistant and pituitary glands cannot be regulated, the bigh pressure-flicts which they produce can be controlled and furthermore the secretion of the thyroid gland can be stimulated or decreased by their

In the majority of cases Addison's disease is due to casesion of tuberculous origin which is not amen able in tuberculin treatment. The administration of administration is it is readily conduced and cannot be universally distributed to all the sympathetic nerves. To get a midely distributed effect it is best given very dulet with a large quantity of hyperchoic sodium.

and calcium chloride solution

Excessive netivity of the anterior lobe of the pituitary gland results in gigantism if accurring in early fife Later in life it results in acromegaly This excess function is associated with increased sexuality in the male and amenorrhoes in the female Excessive action of the infundihular leads to in creased metabolism and carbohydrate intolerance The extract of this portion of the gland has a mar velous effect in producing contraction of the in testine and uterus and thus is very useful in paresis of the bowel and in the so-called sapræmia following partuntion in the latter shutting out further absorption In dipbthena a combination of pituf tary extract adrenalm and a calcium salt is useful in rectifying low blood pressure and dilated beart neurosthenis with dilated stomach and cold extrem stres is niten benefited

Defective action of the antenor loke is associated by such maintains and if there is an associated by pothyroidism there may be also a cretinoid condition. I offundibular insufficiency is accompanied by greatcarbohydrate tolerance and low blood pressure awacasted with such conditions as dystrophia adiposis genitable or adiposis doloross. Treatment of these cases is easily regulated by observation of the blood pressure and by the freedom of the

urine from sugar E K. ARMSTROVO

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Quénu E. Early Involvement of the Glands in Cancer of the Breast (De ladisopathe précoce dissile cance d ses) B II med 1913 avvil 1239 B) Journat de Chirurge

The sullary glands into a hich the lymplatics of the breast flow are nuwded in cancer of the breast by colonies of cells from the minimizery tumor Surgrean have been trying for a long time to settle the question of the time at which this invessor takes place. As early as 1855 Delice found from a study place. As early as 1855 Delice found from a study the important of the glands as very early and that it entitle before it is chincilly demonstrable in of the it entitle before it is chincilly demonstrable.

In the present actude Quéma shows by two of ins own cases that me) devenue of the glands may precede the initial nodule of the breast that is that the glands may be easily polaphic while the mans many nodule is still no small and mangunizant as to escape detect on our least be doubtful. Chancally camenary leavon remains uncertain Thus movelerment at the glands of the small is not only early

but it is the sign which reteals mammary cancer.

The practical conclusion to be drawn is that an affection of the axillary glands hard in consustency should be an object of suspicion if it is inherened at bout the age of 45 and if nothing in the general condition or the neighboring tissues g. es a satisfaction of the neighboring tissues g. es a satisfaction.

factory explanation of it. The same course should be taken as in a doubtful cancer of the breast nucertainty is not permissible J Dustovr

Nathan M 1 Early Diagnosis of a Neoplasm of tha Breast by the Histological Examination of the Hemorrhagic Discharge (Dagnosis: percoc d un neoplasme du sein par l'azamen instologique de son sunstement hémorrhagique) Ci segs 2014, 38 By Journal de Chrung

Miniz recruly called attention in certain neoplasms in the breast the symptoms of which were limited for years to a bloody discharge from the mapple. Nathan recently had a case of this kind and he was able to make the diagnosis by the

buttleporal examination of the ducharge.

A woman so years ald apparently beathty had complianed for several months of a bloody discharge from the left apple. She had nursed several chaldren, the last o e 13 years before but an abundant mill severation bad kept up since that time. By pressure on a certain point on the hreast a By pressure of the proper of the pressure of the pr

The second case not previously published was in a child of three It had an ulcer a centimeter in diameter at the mion following the meision of a swelling which sppeared to be a cold abscess Below the orthice there was a deep swelling which extended under the upper insertings of the muscles of the nape of the neck. Upon operation after the fistula and the adjacent covity were controlled that this cavity communicated through a tolerchly that this cavity communicated through a tolerchly that grenular mass was dissrcted the size of a small nut made up of small lobulated tumors with gravish contents and fibrous nodules which was located at the upper insertion of the muscles of the pape of the neek. An extensive resection of the occuput was then made exposing the intreers mal pocket which was forsted superficially between the cerebellum and the occupital bone | The cavity was lined with n very thin amouth membrane which it was impossible to separete from the dura mater flealing took place by second intention II; tological examination showed that the wall was dermoid in nature but with out either hairs or glands. The extracranial tumor was made up of f brous masses which had undergone angiomatous change in places. The pitient when seen again thirteen years later showed a smooth slightly depressed scar Touching it caused a dis-sgreeable sensation with lerad ation to the thorex and n seasation of nauses

These two cases seem to confirm Lannelongue a theory of inclusion. The immediate and late results in these two cases show that it is possible to limit operation to extensive resection of the bony wall of the synta cavity. I rang gopen the dermoid pocket the edges of which units with the estimeous sear.

Camus, J and Roussy G Hypophysectomy and Experimental Glycosurin (Hypophysectome et glycosurie expl mentales) Const end Sec de b el Par 1914 l vr 99 By Journal de Chrunge

In a preceding note the authore made an experi mentsf study of polyums and polydipsis appearing after operations on the hypophysis. In this note they take up the question of glycosuma under the same conditions. They made a systematic study of th augur 1 the unine of dogs before and after operation which there were lesions or destruction of th hypophysis or the neighboring part of the hrain Their results were as follows Absenc of glycosuris in 30 cases of les ons or destruction of the pophysis beence of glycosums also in 9 cases of lessons of the hase of the hrs in in the region of the hypophysis positive glycosums in 6 cases of lesion or destruction 1 the hypophysis o ne ghbor This shows that glycosuria is ing parts of the brai so n usual phenomenon alter operation on the hypophysis or neighboring parts a there were only 6 positive cases out of 45 Minrover it is only tem porary Glycosuma is not sloways a societed with

polyums wh h is more consta t The snthora helieve that glycosu is after hypophysectomy is only a chance incident 1 is other post operative glycosulas. It seems to depend less on partial or total suppressum of the hypophysis than on laptey of the nervous centers of the regan, as is shonn by the group of four posture cases out of air where there was a lesson at the base of the brail sufficient to provake glyconura Parise Cert

NECK

Barr J: On th Functi as all the Thyroid the Supraren 1 and the Pituitary Glands Pres I oner Lond 10 4 res 457 By Surg Grace & Obst

As a result of the stiention bestowed upon the ductiess glands there are now some potent and extremely useful remedies hut a clear conception of the suitsbility of thyroid suprariant and putin

lary extracts should be had before they are used. Thyro of mandequacy was designated by Ord as myardemn. It is about seven times more common in women have men probably because overaction which is a common it femalies is not to be followed which is a common it femalies is not to be followed as the common of th

There are an enormous a mber of cases of hyperthyroid am without exophthalmon enlargement all the gland a marked aerrous symptoms but ac may observe emotional and sommote disturbances: a warm most skt act c capillary circulation high visious pressure repud heart action nereased erfectes, and c n a slight muscular tremor. The

unne may contain album a and is associated with lessened amount of fi ed lime in the blood. In in my cases there is an accompanying diminished action of the suprarenals with skin pigmentstion and ion blood pressure. This increases the gravity though the symptoms are not more marked thers heing less cardiac stimulation and less palp tation In hyperthyroidum there is a great difference between the systolic and dis tolic pressures, which means an inefficient circulation and it is for this reason that suprarenal extract plays such an un portant part Barr helieves that the soluble saits ol calrium combined with adrenalin constitute the best remedy for this disease Suprarenal and putu t ry secretions help retain the lime salts in the blood pressure is low and one believes the suprarenals to be in clive. As the improvement advances there may be lound too much limn in the blood and t saues with a slow irregular heart action. In that case ntal should be lessened and elimination hastened with citric scid

Antithyroid serum thyrodectin and rodsgen ars all very expensive ramedies, and the author has not been favorshly impressed with their value Belladonna, digitalis, and the A rays have occasion

ally been found useful

The injection of adrenain solution is seen into he pleural cavity perents the reaccumulation of fund after tapping but it also favors the formation of adhesions. The author prevents this by lapacing filtered air and parafilm. This permits the whole of the fluid to be drawn off without discomford and prevents the rapid speed of musched in tuherculous pleurary. Though the secretions of the superareal and puturary glands cannot he regulated the high pressure effects which they produce can be controlled, and furthermore the secretion of the thyroad gland can be stimulated or decreased by their

In the majority of cases Addison a disease is due to casestion of tuberculous origin which is not amenable to tuberculin treatment. The administration of adreann is of very little use in this condition as it is readily enduced and cannot be unwessilly distributed to all the sympathetic nerves. To get a widely dustributed effect it is best giveo very dultie with a large quantity of bypertone sodium.

and calcium chloride solution

Excessive activity of the antenor lobe of the pituitary gland results in gigantism if occurring in early life Later in life it results in acromegaly This excess function is associated with increased sexuality in the male and amenorrhoza in the female Excessive action of the infundabular leads to in creased metabolism and carbohydrate intolerance The extract of this portion of the gland has a mar velous effect in producing contraction of the in testine and uterus and thus is very useful in paresis of the box el and in the so called sapræmia following partuntion in the latter shutting out further absorption In diphtheria a combination of pitui tary extract adrenalm and a calcium salt is useful in sectifying low blood pressure and dilated heart ocurasthema with dilated stomach and cold extrem ities is often benefited

Defective action of the antenor lobe is associated with liafabilities, and if there is an associated by pothyrundasses there may be also a created to pothyrundasses, there may be also a created condition and the control of the cases a easily regulated by observation of the listocoperasure and by the freedom of the man from sugar

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Quénn E.1 Early Involvement of the Glands In Cancer of the Breast (De l'adéopathe précoc dans le Cancer du set) B # med 1913 axva 1039 By Journal de Chururge

The azullary glands so to which the lymphatics of the hreast flow are invaded in cancer of the breast by colonies of cells from the maintancy tumor Surgeous have been trying for a long time to settle the question of the time at which this invessor askertic than the settle of the settle of the settle of the situation of the situation cases that in greatful the involvement of the glands is very early and that it enits before it is choically demonstrable.

In the present article Quenu abova by two of in owo cases that involvement of the glands may precede the initial nodule of the hreast that is that the glands may be easily palipable while the man mary nodule is still to small and inagingleant as to except detection or at least be doubtful. Clause to reache detection or at least be doubtful. Clause to mammary least on remains uncertain. This involvement of the glands of the anilla is not only or all but it is the sign which reveals manimary cancer.

Th practical conclusion to be drawn is that an affection of the aullary glaods hard in consistency should be an object of suspicion if it is observed at about the age of 45 and if nothing in the general cond tion or the overhooring itsues in es a satis-

factory explanation of it. The same course abould be taken as in a doubtful cancer of the breast uncertainty is not permissible I Dunoys

Nathan M Early Disgoods of a brophsm of the Breast by the Himological Examination of the Research of the Chapter prices of an included the same partial and the same prices ambiguith of the same partial and the same sunterneyt himorrhagique). Chapter partial 1914, 19 sunterneyt himorrhagique). By Journal de Chrappe

Mintz receotly called attention to certain neoplasms of the hreast the symptoms of which were imited for years to a bloody duchange from the mpple Astano recently had a case of this kind and he was able to make the diagnosas by the histological eranmantics of the duchange

histological examination of the histological way of the complianted for several months of a bloody data charge from the left mpple. She had nursed several charge from the left mpple. She had nursed several charge from the left mpple she had not she was a branch and milk secretion had kept up an but as she data time. By pressure on a certain pool on the time, as the pressure on a certain pool on the time, a horomath liquid was duscharged, resemble in node the hemorthage cifusion in cancer of the first her the hemorthage cifusion in cancer of the first her than the hemorthage of the same than the hemorthage of the same time of the same first of the same time of the same confirmed thus diagnosis, showing the process of

abundant large and small polymorphous cells isolated or in groups. There was no doubt of there neoplastic origin

These early bloody discharges are characteristic of intracanalicular papillary epitheliomas their point al origin seems to be the galactophorous ducts

The above case presents the unique point of having originated in a gland with abnormally prolonged activity. The theory of cellular metaplasia is supported by this fact. The practical conclusion to he drawn from the case is the possibility of early cytod agnosis I Demove

Mercade S : Tuberculosts of the Costal Cartilages (Puberculose des c rulages cost us) 1 d 10ta XN 159 By bury Gynec, & Obst.

It ha been generelly held that tubercular ab scesses of the wall of the thoras originate in the bone that there was no such thing as primary tuber culosis of the eartilages. Mercade reports \$ 2 eases in which there were tuberculous abscesses originating in the costal cartilages. The pate ofs were men between 15 an l 60 an l one a oman ol as The ab-cess did not levelon downward but worked forward through the intent ces between the moscle f bers

The cases were successfully operated on by the

following technique

s In the first step it is absolutely necessary that the whole extent of the les ns be exposed therefore a skin flan hould be trac di rer enough to take in the whol affected area. The point of origin of the lesion should be letermined by pain no pressure This should be the base of the flap. The incuron should be begun in healthy skin and carried are ad the abserts s or 3 cm from t and come up on the other side parallel to the first line II irotead of an abscess there is a fi tula it firection should be determined by a sound an I the flap trece I aroun I ri with the base perpendicular to its point of origin Il it becomes necessity to nlarge the flap the iner-sion can be prolonged. The flap should theo be dissected In doing this, two things should be as orded - opening th abscess and perforating the skin If the Lin is adherent to the wall of the abserts it is better to open the abserse protecting the neigh boring tissues and leaving the fregment adherent to the skin rether than to perforate the skin in the attempt t disect it or thin it to such ao stent that it will be perforated by gangrene later. The disser-tion should be to timued beyond the adherent zone which should be curetted neggets: If and cauter used with zinc hlori le. When the flip is completely dissected it should be turned back on its base as I covered with steme diesungs

The second step consists of estimustion o. th pocket of the absent or fistula. In opening the bscess every precaut a should be taken to protect the neighboring parts It is best to open it with a large trocar and dry the pocket with compresses The abscess rhould then be I thowed on until the original lesson is discovered. If it is a fistula a

sound in its lumen should guide the dissection. If the skin flop is not extensive coough it should be uncos ered and the laterel incisions prolonged as far as pecessity and the flap dissected larther with the same care as before

3 The third step is resection of the cartilizer The sion having been found the carriage should be incised with a bistoury from before backward at a distance of t or a em on each aid of it When the fragment is separeted it shoul I be lifted carefully with the fingers not with forceps which in ght crush the cartilage and injure the pl ura If several carti-lages are allected they should be removed separately sparing the costal arch but if the costal arch is it self encolord it should be removed, the piece to be remo ed being separeted aith the bistoury in each case before it is I feed up from the un terlaing trespes. The un lerlying tissues should be examined carefully and any su pected point removed e en if it is p cura. If the pleura is opened by design or accident the thoras shoul | be compressed above the point and the pleure sutured aith catgut

4 Closure and dreinage of the wound comprises th fourth strp A drein should be left for two days elther at the angle of the incision or through so onfice made in the flap tare must be taken to avoid a d ad spate in closing the wound. It is genrally sufficient alers having sotored the skin to apply a tampon of gause abich ill exert sufficient pressure to produce the des red result. Il necessary s few solutes may ha the skin flap to the Boor of the wound They must be applied with rare remembereng th neurness of the pleura

If the abserts is in the abdominal wall especially

the place to which it ander the rectus ahich m grates most frequently it is necessary to section the muck

Alter the operett n. if the operation requires the cutt ng into tione trouge there will be a discharge hret I blood an I then of serous fluid Mirr the removal of the draw the dressing should be samined every two day to see if there is a discharge !! there , the him of the flap can be separated a little between ta o sutures and the fluid squeezed out and she abund redressed. This a soldom required more than once or take at most

Pot I Sarcoms of th Scupula Partial Resection of the Scapula with Preservation of th Shou der-J int Good Function I Result Two a d One-Itali Years after the Operation (Sarcome d l'omoplate résertion économique de l'omo e overopear reservition reconstitute de l'épaule bon
ules l'increannel d'as t deux sprés l'asterration) Ball 1 mém se de le le Par 10 de 10 358 B, Journal de Chirurpe re ultar I netsounel d (noutry)

TT.

The case reported ass a sarcoma with lusiform cells about 7 cm in dimeter that had in often almost the whole scarula and the attached muscles and which Potel contrary to the usual practice reated by partial scapulectomy spaning the whole shoulder joint. This course seems to hive been just fied by the results for at present—two and one half years after the operation—the patient has had no recurrence and has complete movement

of the arm

Quest believes in preserving the glenoid fossa and if this is impossible he thinks it best to fix the head of the humerus at the eaternal end of the clavicle

Broca performed eatensive resection for a myeloplasoma of the pune of the scapula tumors can be differentiated from the osteosyrcoma ta by their climcal course as well as by the radio graphic picture. They develop slowly and in the radiographic picture are easily distinguished from the bone and neighboring soft parts by their uni form grey color. They should be simply excised when the region permits otherwise they should be curetted out without its being necessary to fill op

the cavity or perform a bone greft as Delbet Wilther and others have ad used WALTHER said that in a case of resection of the radius for mycloplaxoma with bone graft recover had been greatly bastened by the graft & to small erll sarcoma he had only seen one case of recovery after partial resection a case in the alveolar border of the jaw where in spite of the I mited resection

there had been no recurrence more than two years

after the operation DELBET finds that filling up the cavity left by the removal of bone has considerable advantage. These cavities are painful to the patient they suppurate every dressing is tortore and they have to be dressed often After they are filled they only need to be dressed tarely and the patients no loager suffer

SAVARIAUD agrees with Delbet that it is much preferable to fill the cavities I DUNG T

Illiano, T Transplantation of Fascis to Cover Defects in th Watt of the Thorax (Die freie Fascientran pla t tion ur Deckung on Thorax kt) B i ki Ch gr3 kx By Zentralbi i d ges Chu u Grenzerb

The author describes experimental attempts to replace defects a the wall of the thorax in such a way as to give sufficient firmoess to prevent hern a

of the lung and to avoid adhesions of its surface Transplanted fasein lata was used in rabbits and dogs I order to prevent adhes one of the surface of the lung to the transplant a partial pneumothera was left or induced by the introduction of a trogen F free experiments were made Io 8 of them there was infection but in sp te of that fact the transplant took in th 7 aseptic cases the fascia I ved in the histologi I sense There was complete lack of lung dhesions in 3 septic cases and 1 infected rabbit case and only slight adhesion io infected and aseptic cases in rabbits. There were broad superficial adhesions in two aseptic cases to dogs

The pleural endothel um had covered the internal surface of the tra pla t in a specimen 7 days old and in a specime t 54 days old there was almost normal pleura f rmation

In this method therefore adhesions of the lung can be wouled if the course is aseptic and if by penumothorax the surface of the lung is kept from coming in contact with the transplant till the pleural endothehum has covered its internal surface

Tfattes.

Lenormant G. Chondrectomy to Mobilize the Chest Wall in Deformity of the Thoras (La chondrect mie mobili strice dans les def m t na thoraciques accompagnées d troubles eespira teures) J de ck r 1914 at 145
By Surg Gynee & Obst

Freund bel eved that in Inherculosis and emphy sems of the lungs the deformity of the thorax is often the cause rather than the result of the pul monary disease and therefore recommended resec tion of the costal cartilages in the treatment has not proved practicable in tuberculos! because at t of no henefit escept in such an early stage that medical treatment is effertive in emphysema how ever the operation has been performed obout a hundred times with excellent results

There are other deformities of the thorax how ever in which Lenormant believes the operation would be effective such as those of scoliosis rickets ant slosis of the vertebrar and in the rather unusual congenital funnel shaped chest when it is so marked as jo cause displacement of the heart and difficulty in respiration. He cites only four cases in which the operation has been performed for these reasons. In two of the cases there was pigeon breast as the result of mckets with considerable shortening of the trans verse diameter and both patients had typical auth matic attacks with more or less disturbance of respi ration during the intervals one patient had a con genetal fuoo I shaped thorax with shortening of the antero posterior diameter and one was a case of and loss of the ertebra with flattening of the thorax The two latter suffered from continual dysphera w thout any peroxysmal attacks In all of them the thorea was so rand that respiration took place only by the movements of the diaphragm

The technique I resecting the costal cartilages is so simple that it does not need description only question seems to be s to how many should be resected and whether the operation should be milateral or bilateral The author believes the resection should be extensive and contrasts the par tual success in Meyer's case who resected only two cortilages with the brilliant results in klapp case where the cartilages from the second to the eighth inclusive on both sides were resected. In all the cases the mmediate results were satisfactory mobility of the ribs became apparent oo the opereting table and there was improvement to respiration

and disappearance or decrease in the dyspnora The late results to Meyer's case are not known in Lapp they were excellent ax months after tho

operations and in the other two there was great permanent improvement in the general condition but the attacks of asthma contioued though they

were not so frequent nor so severe as heline. One of these cases was operated on a erond time a pend arthrosis being established at the steroum with marked improvement. The chief danger in the late results of the operation is the regionation to the cartilages. In the subtro's own cases this obligates is option of the removal of the penchondrium and interposting muscle. The best means to prevent this is to keep up respiratory gymnastic exercises and this is an essential part of the treatment. Supplemented in this way the author believes chandred towns so figent value in defounded and right thought.

Lericha: Emphysems Treated by Freund a Opera tion (Emphysems traits par I operation de Freund) Lyos seed exm. No. 2 38

By Journal de Chiroco

Lenche describes a case of emphysema with a dilated rigid chest in which Freund's aperation was unsuccessful and discusses the causes of this failure The patient was a man of 62 who had had emphyse ma for a long time Lenche resected the third fourth fifth and sixth costal cartilages, but from an error in counting the second was spared and it sufficed to keep the thorax as rigid as before I't is evident that this cartilinge abould also be resected which will probably produce the desired result The interesting point is that in performing Freund e operation the cartilages must be resected until the one is found that is the key to the thorax as soon as it is resected the thoracic wall is mobilized. It is not always the same in this case and another operated apon by Lenche it was the second which seemed to control the ankylous. In a third case it was the third and fourth G CORTS

Uffreduzzi, O. Experimentul Surgery of the Orjans of the Mediantonum, Except the Heart (Accordination & Exchangue experimentale des organes du médiantin le contre excepts). Polica Rossa, 29 4 zzi 3 By Journal de Chrunge

In epite of the brevity of this paper is a deficult to give a bind sherract of it, because of the abun dance of experimental facts that it contains. These experiments am to demonstrate the lack of danger in intrattockeal insufficient suscitions. But the substitution of the substitution of the substitution of the substitution of the substitution and the substitution and the substitution and the substitution of the substitution of the substitution of the within odeath due to the anarothesis although some of the operations lasted more than the abour. These experimental operations clear up some points in the substitution of the substitution o

In collaboration with Giordano Uffreduza has modified Roux technique for exophago-intential anisationous in case of stenous of the exophagos. The first stage is a lateral laparotomy the prouum is sectioned 40 cm below the duodenojejunal angle the dustal end of the intestine is brought for

ward and sutured to the proximal segment about 60 or below the point of section. The trush of the pressum is notroduced under the ekin of the thorax. Through its ordice the sumal may be nounshed, excluding the stomach.

The game and the continues of another lipsmongs and the speniage of the intertine late the content. The two organs or a liveady adherent or are placed that the fined may peas through the ctouact of the that the fined may peas through the ctouach or may be forced to pass, if washed, by obliterating the iglanum helow the gastro-enterostomy. Only the masatomosa of the exceptages with the jupinum remains. He operates by the thoracte rotte and performs an end-to-end anatomosa in the opin mediastinous. The cutture in two steps holds well the vitality of the segment of intertine is preserved the thorar. This complex operation is preferable or that of Rour, there is less diagree and difficulty and it is supplicable even in cases of tumor of the exceptage in the intertion of the responsary in the abert position in furnitions of the exceptage in the first policy.

situated low down The author then tried replacing a resected seg ment of the ersophagus by a sort of tube obtain by rolling up a parallelogram cut from the wall of th stomach and left adherent at its base in the lesser curvature The tube is carried into the thorax and brought into contact with the upper end of the ecsophagus to which it is sutured. A number of experiments were performed on the descending sorts in collaboration with Geordano They found that hamostasus of this vessel by compression could be maintained for 18 minutes without any harm and for e5 with only aconsequential symptoms Arrest of the blood for as long as so minutes was latel but the most complex operation an the sorta can be performed in is to 14 minutes For the end to-end anastomosis of vessels after the resection of a seg ment they have devised a method superior to Car rel s as t produces a tighter enture. The two ends are united at a point on the posterior side of the vessel and inside One of the ends of the suture is used as a continuous suture half-way round the vessel then they return to the original por t take up the other end of th auture and enture the other half until the first one is met. This requires only 8 to 10 minutes the suture is absolutely water tight and does not cause at nosis. Experiments on thoracic duct were performed with Rinalds were truck by the seriousness of le duct they are fatal as balf the c below the lesion is recommended the duct by the thoracic route s

sbuadant mesl. It is very fr ligated without injury of an circulation is est blished from work currounding the drt. If may be ligated not at the p further up at the most access. collateral circulation is established which lakes some time the wound bas already escatrized

The pulmonary artery was utilized to perfect the technique of Trendeleoburg's operation This operation has never given any defionte cures but it is logical and worth while to estable he the conditions under which it may be performed A simple inter costal incision in the third space suffices to expose the pericardium and the intrepericardial course of the aorta and the pulmonary artery The circula tion to these vessels may be joterrupted by means of a rubber tube for thirty minutes without any in jury a time long enough to open the pulmonary artery extract clots and rlose it upagain Uffreduze uses a sperial fenestrated forceps by which it is possi ble to suture the edges of the vessel wound while allowing the blood to circulate But he prefers a transverse to a longitudinal their ion as it renders exploration easier and more rapid

There is little to be van I of the superior and inferior veon cave. It is known that it is always fatal to ligate them The higher up the ligation of the inferior vena cava is the sooner death ensues II is certain that suppression of renal or hepatic function is locompatible with life but death in such cases comes on too quickly to be attributed to anyth ag other than a mechanical cause the blood that flows into the heart is insufficient to produce mechanical functioning of the heart. The details furnished by intrathoracie section of the vagus nerves are less interesting. Without passing judgment on Franke's operation Uffreduzzi maintains that the intrathoracic route gives the best access to the intercostal nerses but he ays he h s ne er located the spinal ganglio by this route with certainty

PIERSA PREDER

TRACHEA AND LUNGS

Graser Surgery of the Lungs and Pleurs (Erfahrunge abe Chrurge d Lunge od Pleura)

Bu kl Ch 10 4 lexx us 67

By Zentralbi f d gs Ch Gerugeb

This work describes a series of clin cally interest ng cases of surgery of the chest which serve as a

basis for a general discussion of this field of surgery

which is still in process of development

to the treatment of empyema rib resection with rapid thorough emptying out of the pus is the operation of ch ice the after treatment consists of freque t forced respiretory exercises In putrid empyema good caults are obtained by disinfection with solution of collargol thea filling the cavity with co centrated carbolic acid irrigation with alcoh I and filling with hismuth paste (a case) In chronic empyema I ribes suction drainage was ofteo uns cressful Extensi e plastic operations had to be undertaken In one case of which the history is go en these operations had to be repeated freque tly and combined with pneumolysis and plastic operation with flaps

An unusual case was that of a one-year-old

child in which after a croupous pneumonia a propneumothorax developed for which no ex-planation could be found

3 A case of putrid abscess of the lung was first treated in sain by artificial pneumothorax and finally cured by extensive rib resection insuffection of the large cavity and filling it with bismuth paste Another case of abscess of the lung which was treat ed by insuffiation of nitrogen into the pleural eavity showed temporary improvement but finally death resulted from embolism of the lung

4 In a case of tubercular pyopneumothorax an extrapleurel plastic operation was done on the thorax without effect \ peculiar method of determining the seat of the luog fistula is described in the article 5 In the treatment of bronchiectasis opening and external drainage did not give very satisfactory results (4 cases) Better results were obtained by extrapleural plastic operation Treger

HEART AND VASCULAR SYSTEM

Auloog and Boudol Immediate and Lata Results of a Suture of the Heart (Re ultats immediate t flougaled ne s ture du cœur) Presse mid 1913 By Journal | Chirurgi

The authors report a case of injury of the right auricle caused by a sharp instrument. The signs of injury of the heart — pallor anguish threadlike pulse distant and dull beart sounds -were very clear Operation was performed a half hour after the accident through an esteocutaneous flap. The pencardium which was full of clots was emptied The right nuncle presented a transverse wound a cm long which was sufured with two catgul sutures to drainage was used. The wall was xutured Recovery was complicated by a left pleural effusion which was absorbed spontaneously in a month. There was complete recovery in six weeks When discharged there was no alteration in the cardisc rhythm auscultotion of the left lung showed only a little obscunty in the breath sounds

A year later the patient was called upon for mile tary service and was able to pass the physical examination Duning his two years of service he had no indisposition due to his cardiae lesion heart fuortioned normally with almost complete anotomical integrity. The only abnormality was a slight cardiac hypertrophy accompanied by a little cardio scular esethism exaggeration of the apex best and the relative duliness of a slightly hyper tropined heart these signs being corroborated by pulse tracings and radiographic examination

I DUNOUT

W Il Leriche and Mouriquand: Brauer s Opera il Leriche and Mouriquanus oraucs a opera sion in a Case of Uncontrollabla Asystole in a Child (Operatio de B ue dans uo cas de asytolic arréductible he l nfa t) Lyo méd 1914 (221). By J uraal de Chrargie

The case was 10 a chdd of 14 with a mitral lesion due to rheumstism There had been asystole for

to weeks which resisted all medical treatment operation was performed under other and as a well borne. At the end of 0 week their was considerable improvement but soon the child had another attack of theumatism and died wiew days later with complete asystole. Autopsy was not performed but it is practically certain that the aggravation was due to a new attack of theumstile endocathists. Whatever the ruson there was not the ripid improvement in the first less days alter the operation that is general the first less days after the operation that is general.

Another case was that of a curpenter of a streamed for a double scrothinous tubercular pleuraw Duning convolencence ages of a seeds appeared As medical treatment laided cardolopis as a per formed. The result was excellent and at present two and o half years later the partiest as working at his trade to hours a day. The improvement pensial to the control of the control of the proposition of the control of the control of the control of the proposicontrol of the control of the contr Gardère P C and Arnaud Brauer a Operation in a Case of Tubercular Adhesions of the Peri cardium (Opera de Bruser dans un cas de aymphyse t berculeuse du péricsid) Lyes med 39 4 cxvl 195 By Journal de Chrurge

From the discussion on Branet's operation it seems that sidebugh at artificial to drifted its mode of action at its the best irrestiment in adhenium of the percentainment and mediastimits when they racee assisted but in asystole due to cardiac leasons the resulte are less satisfactory. A case operated upon by Armand was a woman of 4x who had a left plearney and then a right plearney in October 1911. In January 103, 1937, 1938, 1

SURGERY OF THE ARDOVEN

ARDOMINAL WALL AND PERITONEUM

Dandy W. E. and Rowatree L. G. Peritonesia and Fleural Absorption with Rel rence to Postural Treatment A. S. g. Phila out lat 187 By Surg Gyper & Obst.

The authors review briefly the po tural treat ments which have been used giving the reasons advocated by the various authors for advocating the methods after which they enter a discussion of experimental n th of the t own to determine the manner and rapidity of absorption from perstoness and pleumicavities and the value of various postural methods The basis of postural methods of treating peritonitis was \ on Recklinghausen s claims (1863)
of open atomata which established direct communi cation between the perstones! cavity and the lymphatic eystem thue affording a rapid absorption of peritoneal fluids These atomata were thought to be limited to the central tendon of the diaphragm Kallosow Muscatello and MacCallum have proved the stomata to he artefacts. Muscatello however maintained that an intrapentoneal current carned the fluid to the central tendon of the diaphragm this latter he considered the exclusive absorbing area of the perstoneal cavity

Clark in 1897 ad ocated elevating the foot of the bed so degrees in the trailment of peritoniss arguing that gravity w lud hatein the excrent and increase absorption Clark humsell no longer uses this method.

Fowler in 1900 advocated the sitting posturs in treatment of pentomists thereby hoping t retard the intrapentoneal current and thereby lavot the accumulation of fluid to the pelvis where absorption was considered minim !

Coffey has ad ocated a combined I teral and head

up position. Mister milites the ventral position. Experimental work by Starl ag and Tuby (1891) proved that absorption was into the blood stream and not into the lymphit is. Michele (1898) and

the uthors are in accord out 5 Starling and Tub. Dandy and Rowntree after uspert in phenoisul phonophibaldin into the pentional early recovered at front the blood in 10 of amount from the unner in 4 to 6 minates and from the lymph (thoracte during the 10 to 5 minutes. In one hour 2 to 10 of per cent was recovered from the urne only 0 to per cent was recovered from the urne only 0 to per cent was recovered from the urne only 0 to per cent was recovered from the urne only 0 to per cent was recovered from the urne only 0 to per cent was recovered from \$1 \text{with per the service of the position of the author following the meret to a Absorption is about entirely by the

The results of experiments to determine the effect of posture on the rapid ty of absorption from the perstonnal cavity is as follows:

The absorption in head-down position is the

same as in ventral and dorsal positions
5 The absorption in the pelvis down position
is 35 per cent less than in the other three posit on
For this we have no adequate explanation

Istnore Cory

Pikin F M Experimental Study of the Treatment of Peritualiti (Enage expenses ils U teruchagen i Frage d Pentonumbekanding)

Brai 8 Ch 9 4 hxxxx 5
By Zentzalbi 1 d ges. Ch Grenzeb

In purulent persto itis Hirschel recommended that no to 500 gm of a t per cent solution of campionsted oil he pove of into the addomned cavity classing that among other effects it prevented the formation of addess as To test the truth of that, the author und riook experiment on dogs. He

found that camphorated oil had nn effect in the course of the disease the animals treated with it died at about the asme time as the control animals In spite of these results he tried camphorated oil in 8 cases of purulent peritantits without any results

no cases in puriorii perinantis wittonii say resultis.
Another sente in experimentis on riabita was
then tred. The serous surfaces of the large in
tentime were utimed to one another oud ofter than
weeks the abdommai campio one often one often the
tentime were utimed to one another oud ofter than
weeks the abdommai campio one of the riabita of
the abdommai campio one of the riabita and
the others were kept as controls. Campiorated
of was at a poured into the abdommai eavity of

some normal raibits
On opening the abdominal cavity two weeks
later it was found that a scrous endate had formed
After two more weeks there was an extensive fibrous
deposit covering the intestine and this disappeared

two weeks later. From his experiments the author comes to the conclusion that camphorated oil has no effect in the coorse of purilent peritoriatis and that in adhesive peritoritis it not only does not prevent hut.

rather promotes the formation of adhesions

Kaufmann G. Examination for Abdominal Hernia (De U try hung auf U t le bs ruch) Cor Bi f sthee dert 9 4 1 73 ByZe traibi f d ges Chir 1 Grenageh

Large abdomnal hermas can always be easily dag noved the noly difficulty being the distinguishing of an inguinal from a few rial hermis or the confusion of an inguinal herma with a cold abscess and the different forms of hydrocele and of a femoral herma-

with a varix of the sophenous vein

The author go es a special method for demonstrat ing beginning or small hermas in either the standing or lying position. In standing a sharp bending backward of the trunk causes tension of the antenor abdomical waft so that palpation or sometimes even inspection allows the demonstration of the presence of a rupture. In the inguinal region the spermatic cord is taken between the thumb and index figger to see whether the cord swells when the trunk is heot backward and the patient coughs Examination in this position has the advantage that hy tension of all the layers of the abdomical wall an interstitisf inguinal herma is fixed at the internal guinal ring and cannot escape unobserved The author has venfied the correctness of this method of diagnosis by radical operation and now as a general rule operator also on the apparently healthy side confirming Gelpke's results who in 80 per cent of all operations for inguinal hernia in young people found a completely formed hermal 1/4 em long on the sound side The hending back of the trunk has the same advantage in femora herma The examination in the lying position th t follows determines the degree in which the h rma can he replaced and the condition of the hermal opening and canal

In examination for the military service he maintaine or the railway service the examination in the attailing position is sufficient while examination for accident insurance should also be performed earfully in the recumbent position

KARRGER.

MacLennan A The Simplified Operation for the Cure of Hern a in Infants Med Press &

By Surg Gynec, & Obst. C # 10 4 XC-11 157 The predmary treatment of a hernia in an infant as by the application of a truss or of a skeln of wool or hy incessant reduction With this treat ment the author takes issue and claims that though the sac becomes untensuted it nevertheless remains a sac and the notice remains up- To let presence of so many unoccupied sacs found in the cadaser and during operations goes far to prove the permanency of the sac and in view of the fact that the anatumy of herma in infancy is identical with that of later life it is clear that any form of treat ment which does not obliterate the whole sac is useless So many cases are met with in adults with a history of an infantile herma said to have been cured that the author claims it is doubtful if such cases were cured and practically certain that no one ever develops a herma who has not had since

infancy a sac ready farmed The author is in faint of an early operating in all cases of infantile bernia. The procedure is as follows If phimosis is present the child is circum cared at least one month hefure the proposed rad cal operation The skin is prepared with sorp and water and alcohol and chloroform is used as a general anasthetic The incision is made over the internal ring and should not exceed three-quarters of an much The deeper tissues are racked apart by hlunt retractors The sac and cord are identified and picked up and drawn out of the wound sac is separated by wiping with gauge. The sac la treated by the Miscewen method the crumpled up sac serving as an efficient plug at the internal ring In young th ldren there is no need for careful deep suturing of the atructures as in an indult. The skin is closed with two or three silkworm sutures and a thin coll of gauze and adheuve used as a dressing Elaborate dressings only annoy the sofant and are unnecessary The child may go home as soon as it recovers from the anæsthetic and should return in one werk for removed of the sutures

J If SEILES

Duval P Congential Disphragmatic Hernia Left Subcla icular Appendicitis (Herne disphragmatique congénitale ppendicité sous laviclair gauche) B II et m m see de ch. P r 913 Exist. 512 By Journal de Ch. rgte

A boy of years hed been ill since his hirth complaining of pa in the left side of the thorax Ic appeared spasmodically with irregular difficulty in respiration and heart disturbance. Twice he had attacks accompanied by lever and vomiting.

Resolts of auscultation w re variable and puzzhon and a certam diagnosis could not be made until ra lography aboved that the cacum and the ascending and transverse colon were in the left pleural cavity

Left epiga tric transverse laparotomy was per formed and it was found that the onlice of the disphragm was back of the gr ter curvature of the at mach The incision was prolonged to the posterior angle of the eighth rib the whole rib resected and a large opening made in the pleura Almost the whole of the small intestine the excum and the ascending and transverse col n were found in the thoracic cavity and were fixed by adhesions. The creum was thirkened and tollamed the appendix was enormous and aurrounded by old caseous foci the results of numerous attacks of The adhesions were freed and the appendicitis appen he resected Then without much pain the mass of intestines was replaced in the abdum n The disphragm was reconstructed by sutnring the th rax and abdomen were autum! The pleura was punctured and the lung seemed to dilate auscultotion reverled breath a unds under the scapula The child died the pert morning with a pulse so rapid that it could not be counted though

This case of subclavicular appendiction in a diaphragmatic hernia la rare perhaps unique The diagnosis ni diaphragmatic hernia is almost Impose hie because it is manifested only by aigns f occlusi n Radingraphy is nf the gr stest value The nnly way of operating successfully and obliterat ing the abnormal ornice is through the thorax

the respiration was relatively normal

I'mn cases of haphragmat e bern a are reported both of which were found only on autopay though one of them had been operated upon twice for symptoms of occlusion the cause of which remained unknown. He believes that such lesions can never be successfully treated by langrotomy though the 1 DUNGST thoracic route a ves free access.

GASTRO INTESTINAL TRACT

Schmieden Phrmann and Ehrenreich: Modern Diagnoss of Stomach Diseases Verified by Forty Operat! Cases (Modern M gardiagnos the lint on 40 operat! Talle grapult)

**Mu d Gr gb d Med Ch g14 xxx 470

By L Intall I dgn Ch 1 Greanch

The outborn made a careful chargal examination

of 40 cases of stomach disease and co trolled the results by operation History and present cond tion are go en in detail the chemistry a d motility of the at much tested vam nation m de for manifest nd occult bleeding the find ogs on palpatio care I lly noted and the ontgen examination nod d

Especial ottent 1 g; en to hunger and night pain Motility was tested by Strougs method of adds g a portion of who tiebernes reurrants to the even ng meal a I removing the remains the ne t morning

for examination Rontgen rays were also used in testing the motility. The secretion was tested by examination of the atomach contents after an Ewald Bors test breakfast Fourteen cases of carcinoma of the stomach were

examined 8 cases of ulcer of the duodenum t of mixed ulrer 6 of leer of the pylorus 3 of ulcerated bour-glass atomach, 2 cases each of gastre achylia and gastroptosis and one case each of pencholecystitis and gastric crises. The conclusions are

If at much disease has existed for muny years it indicates ulcer rath r than carcinoma cinoma generally arises in people who up until

that time have never had atomach trouble Diagnost c conclusions can be drawn from age only with caution 42 8 per cent of all the cases of

stomach carrinoma were under fifty years of age 3 Loss of weight is not conclusive evidence of Chrcinoma 4 The author could not find that the history

night-pain hunger paio and cold pain, played the part in differ negal bagnosis of ulcer of the duodenum that is generally ascribed in them The point of pain on pressure at the right of the umbilicus has greater significance in duodenal ulcer 5 In uleer in the region of the pylorus there is

in especially when an effort is made to work. In half of the patients aho complained of pain in the back there were adhesions to the panereas

6 The alue of testing the atomach secretion for the differential diagnosis between ulcer and car cinoma cannot be denied. The majority al cases of of ofcerative and post ofcerative diseases al tha atomach and odenum are accompanied by increased scidity while the re erse is true in carcinom 7 In ulcer the degree of acadity is less in stag

ment atnmach co tents than in the test mrai removed from th atom h in earcinoma ft is greater 8 The lactic acid secretion does not have any

great diagnostie alue o The dem natration of vasible or occult blood in the faces has great significance as proving the

presence of wicer o carcinoma to In disturbances of motility the daily quant ty of urne falls

es Rontgen examination almost alw ya olds in the differential diagnosi between leer and car cinoma and often decides it It is not of much value in simple ulcer

es Gastroscopy for which Sussman's imiru ment is used does not always ucceed does not give uniform results and is not without danger fo one of the author a cases fresh perforation found o a case of operation for carcinoma of the stomach was probably due to gastroscopy

George A W and Gerber I The Practical Application of the Rontgen Method to Gastrie a d Duodenal Dt gnoss J in W Ass 9 4 km, Sy Surg Gynec & Obst

The a thors confess that the alue of rontgenologie gastro intest ual diagnosis has been enticized

that many errors have been committed and that much discredit bas been east upon this procedure. They say that this state of affairs has been brought about by several conditions and mention three as follows.

I The pioneers developed a technique which rehed largely upon fluoroscopy and diagnous by symptom-complexes which indirect method the authors contrast with the positive or direct method which has been so brillantly decloped

2 Internats without technical esperience have endeavored to do X ray work have made errors in diagnosis and have enlarged the literature with comments on the inefficiencies of the method

3 The churcal diagnoss has been allowed to bus the rontgen diagnoss. The authors say that n rontgen diagnoss should not be made suless there is possitive rontgen evidence i e a definite abnormality in the contour or arrivers (say of the bomuch mass. They do not explain the order to be a superior of the contour of the contour of the rest in the contour of the contour of the rest in the contour of the contour of the rest in the contour of the contour of the rest in the contour of the contour of the contour of the rest in the contour of the contour of the contour of the rest in the contour of the contour of the contour of the rest in the contour of the contour of the contour of the rest in the contour of the contour of the contour of the rest in the contour of the contour of the contour of the contour of the rest in the contour of the contour of the contour of the contour of the rest in the contour of the contour of the contour of the contour of the rest in the contour of the conto

In the absence of an incasura and with normal size shape and position of the stomach there is no positive basis for the diagnoss of gastic ulcer though some incertigations are villing to make an inferential diagnosis of gastic ulcer from the presence of tender points and air, hour residue alone. The authors regard as hour gastine stans as the least important factor in roritize hosmit diagnosis. They have the diagnosis of early fundamental and gastive or a homematistic of pertitalisis. Some space is devoted to well known arguments for the diagnosis of dioudeau lucin by deformity of the changons of dioudeau lucin by deformity of the cap. More and more cases are hong found in Subra glistones are demonstrated. Auster V Lich all stones are demonstrated.

Smithles, F. A New Fluoroscopic Sten for the Differentiation of Pylorie Spaam of Entra Gastric Urigin from that Associated with Uncompt cated Gastric Uncer on or nese the Lesser Curvature. J Am 1f Ass. a 4 km. 308 By Surg Cynet. & Obst.

By th fluoroscopa examination of the atomach containing material oneque to the X-xxx fully do per cent of calloused and complicated ulcers are readsh recognized and located with fair securiscy leaf ulcers or those unvolving the pylone half of the stomation or art helesser curvature particular for its these are 1 the uncomplicated type must be judged to cast largely in the light of thin cal history and laboratory of ta. This group p is the great may nity of norrect ronting dispnoses and when the must be has been made appendix or gall bladder. Such decisions of the location of the complicated gastrone to the location of the product or gall bladder. Such these castings are the castings of the castings of the castings of the castings and the castings affect the castings of the castings and the castings are the castings and the castings and the castings are the castings and the castings and the castings are the castings and the castings and the castings are the castings are the castings and the castings are the castings and the castings are the castings and the castings are the castings are the castings and the castings are the castings and the castings are the castings are the castings and the castings are the castings and the castings are the castings and the castings are the castings are the castings are the castings and the castings are the cast

findings which are similar to both are noted. The patient their receives f/go gr atropine sulphate hypodermatically and is reeximized in half an hour. In true ulcers on the lesser curvature vigorous palpation will usually elect a point of maximum tenderness moving with the stomach and accompanied generally by an incisum. In pylence apsain from appendix or gall bladder lesions there is no sharply marked focus of tenderness which moves with the stomach or which upon palpation evolers in incisum. Reframmation on different days should confirm the finding. Attager Vitures

Reichel, H.; Rönigen Picture and Operative Findings in Carcinoma of the Pylorus (Rt t genblid and Operationabelund be Pylorusarcanomen) If seke med life seke gra hr 137 By Zeatrabbl I diges Chur n Grengeb

The companson between the rotigen picture and the operative findings in a series of case of car canoma of the pylonis shows the value of the rotigen picture at the early diagnosis of this disease. The diagnosis is founded on the demonstration of char actenistic changes in the shadow cheefly on circum scribed gaps in the hismuth content of the atomach and on washle signs of contraction and of disturbed

mothly. The boundaries of the gaps in the hismuth content are generally signing and all defined and sometimes very peculiar laby often become clearer by palpa tion in front of the rotigen screen. In this way as marked haddingner or permission in the suspected marked properties of permission in the suspected carcinosis of the pylorus the annilee curvature is more or less involved in the pathological changes.

Medullary or fungous tumors can be distinguished from the diffuse infairst ing forms of carcinoms. In the former the normal form of the alomach is main tused and the defects in the rontgen shadow in the pylorus and sarrounding region are sharply defined in the fatter there is marked distortion of the atomach outline from contraction.

The rontgen p cture gives valuable information for the diagnosis of carcinoma of the stomach where internal methods do not give any satisfactory diag nestic pecture it also gives supplementary information where there are no satisfactory chuscal data as to the kind location or eatent of a malignant tumor or as to its operability. Oznika

Delore and Santy Gastrectomy in Cancer of the Stom ch (Ga trectom) dans le cancer d l'estomac) Lys k 9 4 zi J Journal de Chirurgie

The chief point of interest in this article is Delore a statistics of 73 gastrectomes for cancer the first 43 were published by Delore and Afamartine the 30 most recent ones are published in detail at the end of this article. The following figures show the progressive emprovement in results.

From 1903 to 1905 18 operations with 8 deaths

From 1905 to 1908 18 operations with 6 deaths 13 per cent

From 1908 to 1911 18 operations with 3 deaths

16 6 per cent From 1011 to 1913 19 operations with I death

5 per cent

This improvement is not due to greater strictness in the choice of cases for the proportion of radical operations is practically the same before 1900 gastrectomy was performed in 2 per cent of the eases and from 1909 to 913 in 26 5 per cent. The real cause in the improvement in the results is im proved technique and the most careful pre-operative and post-operatt e trestment and the use in some eases of a two-stage operation. This is especially indicated in cancere that have produced extreme stennss and dilatation of the stomach. The two stages of the operation are performed as near together as nossible at intervals of to to to days

Delore almost always uses Biliroth's second opera-tion, anastomosing the stomach and jejunum by means of a Jaboulay button He pays great atten tion to preventive hamostasis of the pedicles and the clos ug of the two ends which he accomplishes by means of three fine catgut sutures He buries the stump of the duodenum under the pentoneum in front of the paneress He recommends feeds & the paturnts early for if the sutures are not water tight from the first they have no chance of becoming so moreover the fact that trogation of the stomach in gastrie harmorrhage immediately after operation ts barmless show that the atomach is impermeable at that time In a general way the immediate and late results of gastrectom, are better than those of gastro-enterostom; theref re Delore and Santy give the preference to gastrectomy even as a pallia the operation in eases where excision cannot be absolutely complete. Adhesions and involvement of the glands, which are often inflammatory and not neoplastic are not an absolute contra indication to CR LENGENANT gastrectomy

Port S Blond a M th d of F cluding th Py lorus (Lexclusion p lonque & la Biondi) 1 4 & By Surg Gynes & Obst. 9 4 XII 207

I orta reviews the indicat ons for exclusion of the pylorus and describes a ne terhinque used by Biond because he h s f a d the older methods defect ve The vario methods of section take an exceedingly long tim thorough ascess is not possible and t is difficult t mob line the parts perated upon especially f there are solid adhesions The plastic method and those by lightion are only temporary Permeability of the pylorus is eventual fy restablished

B onds makes an sucus n 6 to so em long on the nnterior surface of the antrum parellel to the asis of the stoma h ol ing the serous sub-Thi a casi n extends mucous and muscula cost from the a trum towards th sluodenum where the m cou membrene more esuly to n The mu cous membrene is then I sected and a tube of it

closed at each end by being transfixed with two silk sutures It is excised and the facision sutured in three layere the layers being turned in Care should be taken to cover the line of suture with serous membrene Kausch s gastro-enterostomy is performed before the exclusion

Experiments on the cadaver and animals have shown that it is not a difficult procedure enucous membrane at and near the pylorus is thicker and more resistant than that of other regions of the

stomach so that it is easily dissected Care should be taken not to involve the muscularis mucosa and if it is necessary to pass beyond the pilorus into the duodenum greater care must be exercised for the muscular and connective tissue layers are grestly reduced in thickness. It is a good plan in put the end of the left index finger between the muscular and mucous coats at the upper edge of the mersion and then dissect from the lower edge until the finger is reached

Ulcerations of inflammatory tumore do not to terfere with the operation Superficial ulcerations may make h les in the tube but that does not do any harm The advantages of the method are that st does not involve the large gasten omental vessels it is performed in parts that are covered with pen toneum it does not demand the opening of the postenor cavity of the omeolum it is easy to per form and it as much easier to ma ntsin asenus than in the other methods. It can be performed when there are adhesions and it does not produce any change in the form of the stomach The closure of the pylorus is permane t and it is not followed by pain Porta has performed the operation three tunes with excellent results Biondi o times, and other operators several times He conclude that it as the operation of choice in the exclusion of the pylorus

Bier A Diagnosis of Ulcer of the Duodenum (Zur D goose des Ulcus duod.)
B 4 schr 213 xxx1 2402
By Zent lbl f d ges Ch De tucke mad

The knowledge of duodenal uleer has been extend ed rece tfy but the point of greatest interest it still th disgnosis. As Moymhan has had the greatest expenence on this point Bie uses his res its as a gra de and discusses a series of as ceses one ated on

in hi own chaic Th condition is more frequent i the male ses but in contrast to the English and American authors he found ulcer of the duodenum less frequent tha ulcer of the stomach. The most important point uncer of the someon I no most majorate points in the diagnosis is the last ry which seconding to Moyaman makes physical xami store of the patient almost superfluous sithough I course he always makes the examination. The chief points are the hunger pain and the paroxysmal nat re of the pain the disease itself is of long duretion Pre mountry sympt ms e discomfort ad distention several hours af e esti g nd acid or bitter eruets

1:015

From Moynihan a description It would seem that with a careful history a mixtake in diagnosis a marriely possible and he himself made only three mixtakes in the consecutive cases. But Ber has found that in spate of a perfectly characteratic history in many cases no uteer was to be found on laparotomy and on the other hand often when there was an uteer there had been no history to the deat at the latter was the case on abdominal incasion in so of the 43 cases. Hig gives a case history which shows that there may be no uteer though there is a characteristic history.

The results of palpation are of limited value especially the pain on pressure on the right side and the teasino of the right rectus chemical examination is made only for the sake of completeness been the rontigen picture is not nearly so valuable as is athere of the stomach as is shown by the Euchat so many signs are given more of which is really

characteratic
The most constant finding increased pensialiss i found also in other conditions the permanent isomuth shadow may be deceptive and the signs of penetrating ulcer are so rate as to be of only more than the condition and the condition are the condition

allowing for the sources of error in it In differential diagnoss it In not eas) to decide between ulcer of the stomach and of the duodenum there is less difficulty to deciding between ulcer and gall stones and Bier has had no difficulty in design inguishing between ulcer and spendicults. While the diagnosis of ulcer of the duodenum a difficult to the diagnosis of ulcer of the duodenum a difficult to diagnosis of the cross the control of the stomach was before the development of frongen technique and in which ther are even jet matakes in diagnosis.

Hartmann reports a case as described in the title operated on by Marquas. The last statistics in regard to ulcers of this sart by \(\chi_0\) an Roopen in 1900 showed \$\frac{2}{2}\$ is cases. I fartmann has collected \$\frac{2}{2}\$ from the hierature and reports one of his own and this one of \(\chi_0\) and use making a total of 1 \$\frac{2}{2}\$ cases. On these cases he bases a swidy of the conditions which lead to the production. They come on three months to eleven years after the 1 stall gastro-categories of the parent of the conditions of the cond

in women in the proportion of five to one they always follow gastro-enterostomy for ulcers and more frequently the Y-shaped operation

It seems to be settled that the chief cause of these peptic ulcers is the produce consist of news and gastine commit with the produce consist of news and gastine commit with a program of the principle of the pr

From all of the evidence be concludes that to prevent such uders it is necessary (1) At the time of the operation (a) in order to prevent the pessage of acid gastire jure over the jejunum to avoid Y shaped gastro-enterostomy and (b) to rovoid all traumatism of the surface therefore not to use the binton for ansatomosis oor to crush the tissues with clamps and to secure perfect coaptation with the sutares (a) after the operation (b) to trugate the stomach the first lew days at any age on infection or gastrine partefaction (b) to keep patients under or gastrine partefaction (b) to keep patients under command the partefaction (b) to keep patients under the stomach the first lew days at any age of infection or gastrine partefaction (b) to keep patients under the stomach the first lew days at any age of infection or gastrone the stomach the first lew days at any age of the stomach the first lew days are days and the stomach the first lew days and the stomach the first lew days are days and the stomach the stomach the first lew days are days and the stomach the stomach the stomach the first lew days are days and the stomach the stomac

DELEET believes that silk sutures are at fault as they are eliminated slowly and favor the penetra tion of the gastric juice into the tissues

Crysto does not believe that silt and the use of clamps has anything to do with the production of these ulcers. He believes the chief cause is the persistence of a high hydrochloric and content in such a case he would be d sposed to operate on the nervous secretory mechanism of the atomach to decrease the acquity.

Torrier has never had a case. He believes they are due to hyperchlorhydria rather than to the technique employed. He never uses clamps and long ago gave up silk tor linen.

WATTHER agrees with Tuffier and uses the same technique

RICARD had one ease in which he resected the lips of the ulcer and sutured it again with good results. He believes the ulcers may be due to a certain extent to hyperacid secretion but thials the chief eause is

MeLean A Post Operative Heus. t S g Phila. 9 4 lix 407 By Surg Gynec & Obst

J DOMONE

faulty technique

McLean gives the results of experiments in vestigations into the possible causes of death following ileus and how to overcome the effects of ileus o ce it is present

The clinical pacture in both the mechanical and paralytic virieties is the same Vecropsy has

shows that to some latal cases no signs of pentioning were present. What is the cause of death for the cases? The pervailing impression to regard to the cause of death in tieus seems to be that it is a totale condition organizing from the shorpton of bacteria or their toning in from the absorption of bacteria or their toning in from the absorption of some altered physiologic secretions of the pancreas, liver and intellinal mucosi.

bleLeao produced artificial intestinal instruction about 8 inches from the pilorus in dogs. The doodenal and gauric secretions of these cases were tested as to their toxicity by injecting a filtrate unit gulnes jugs. The pigs remained it ely and well.

The serum from the experimental animals was injected into guinea pigs. The guinea pigs which received more than a com died as a rule. It was found that normal dog serum injected into guinea pigs in a com, quantities proved fast.

The gas from the intestine of the experimental dog was injected into the peritoneal cavity of normal dogs without causing symptoms. The blood was directly transfused to normal dogs without eating symptoms.

Vicient therefore concludes that death is not the to transmin a He further noted a marked loss of weight usually amounting to me tastle of body weight below death. This loss of weight is at tolured to the loss of body fluids (common extension of the control of

The rational treatment based on his experiments as suggested by McLean is (s) Subdae the daten non (decatomy) and (z) restore the fluids lost by hypodermoclysis proctoclysis etc. Immus. Core

Jordan, A. C. Intestinal States from the Stand point of Radiology I for J S rg 0 4 2 u, at By Surg Grace. & Obrt

The nathor describes in detail his technique in the nathological examination of the interimal tract. About one how after breakfast the patient is necessary About one how after breakfast the patient is given an emwisson consisting of carbonate of beautiful to the patient is given an emwisson consisting of carbonate of beautiful to the patient in the patient is given an emwisson to the comparation of the control of the large interime to the control of the large interime to the control of the large interime to want in the following periods after the beautiful traction of the large interime to the control of the large interiment patients and the control of t

The examination of the dissolvent may show a delatation and lengthening even in the early stage of intestinal stass. In addition to the change is also there is uncreased activity of the perhatible in fact as many cases the dissolvent may give the appearances of withing These changes are due appearances of withing these changes are due dissolvent to the state of the stage of the s

Maggiore Two Cases of Congenital Megacolon (Deux ras de mégacolon congénital) Polisive 1914 xxh, 33 By Journal de Charupe

The first case ented as a child of sur, how at terms the father to devertial. There was stubbor count pation from burth a bowel movement occurring only every \$ to 12 and 50 and

The second case was a child of two years and two months born at term — the lather synthine. There had been attabhorn constipation aince britt, how movements occurring only every 8 to 15 days the child was poorly developed. The abdomen was almost normal in size there was meteorism on percession.

The author attribute death in his first case to a proper caused by the extreme distation of the large intention of the large intention to find the large intention of the read institute. Hypertrophy of the wall of the large notestime is a congenital malformation which to these two cases was due in paternal infection syphilia in nine cas and tubercu loss in the other. Cassiti.

Don A. Is Colectomy for Constipution a Radical Procedure? Cli J 1914 Mm, 209 By Surg Gynet & Obst.

The author the custs the various causes suggested by Late and other supporters of colectomy locations to the superiors of colectomy consultation and agreeing in a single instance with the error boustoned. The six temeds that the error bouston causes falling down of vascers as famed on the accorr that the liver and spheen the two heavest congain, show no I nothery in fall and because candedly the intertume contains no much gos that they tend in rise. Don claims that no evidence as brought forward that it because the consecution of the state of the consecution of the consecution

hver it cannot occupy a higher position than in the healthy subject as the Lane school asserts. Lane is accused of not troubling himself with logic or proof and so a comparative table is placed Lane a ist of the affections which may be cured by removing the colon side by side with the advertisement of a

well known quack pill The comparative anatomy of the domestic and mals is brought in to show that although these animals are not costive yet their intestical tracts contain many bands narrowings sacculations kinks twists, and mobile and fixed portions which to the author would appear to afford many excuses for sorgical activity Radiology is stated to he a

comparatively new aid to the study of abdominal diseases and as yet there is no standard

Don helieves that the pathologists alone can settle the question as to whether the haods which are found are inflammatory or not If they are exaggerated congenital formations it should be possible to repair them without removing the coion shile if they are inflammatory the cause of the ioflammation should he found hefore a colectomy is done

E & ARMSTRONG

Gruet P Beat Technique for Externalization in the Extirpation of Cancer of the Colon (De la meilleure technique operature splicable à la méth-ode d'extériorisation dans l'extirpation des ca cers coliques) The et d doct P tg 4 By Journal de Chirurgie

The author describes the present status of the question of externalization of caocers of the colon He describes in detail the technique of Gueou who bolds that the tumor must be brought outside the abdominal wall but the pedicle may mmaio inside the abdomen if it is outside the peritoneum

t The first stage consists of extrapanetal exter oalization of the tumor extrapentoneal externalization of the pedicle After exploring and freeing the tumor the loop is externalized. The mescotery be-ing spread out the peritoneal leaf of one of its sor faces is slightly incised and then dissected as far as possible passing well outside the suspected zone and the peritoceum thus dissected is sutured to the parietal pentoneum. The same thing is done on the other side. The sbdomins wall is closed above and below the externalized loop

2 In the second stage resection of the neoplasm is performed followed by suture of the posterior semicircumferences of the ends of the intestine and suture of the two loterior semicircumferences to the skin wound This is performed about 8 days after the first

3 In the third stage the artificial saus is closed by enterorrhaphy This should not he done notil the general health has improved Guéou always performs this enterorrhaphy strictly outside the peri toneum

Gruet has collected 1 7 cases 7 of them being The first case was cancer of the spieme Guenu flexure Death occurred 8 days after the closure

of the aous from hamorrhage The second case was cancer of the splene fleaore without closure of the anus The patient survived 3 years. In the third case cancer of the descending colon no closure of the anns recurrence in the liver 41/2 months after the operation Case 4 Cancer of the sig mord Recurrence in the true pelvis 16 months mosu securrence in the true persis to months late Case 5 Cancer of the termination of the agrand loop to closure of the aous Recovery Case 6 No details Case 7 Sigmand cancer Patient is good health after 614 years. The work closes with a very important statistical study and the author concludes

Externalization should only be performed to can cers of the left colon especially in feeble patients with regetsting septic cancers accompanied by lesions of the wall of the adjacent loop bard's calectomy or the methods of colcetomy io two stages should be reserved for the favorable cases of small movable cancers without marked lesions of the adjacent loop and for patients who are still in good general health Externalization is sometimes an operation of necessity but more gen erally of prudeoce and its indications should be extended whem the surgeon is in doubt as to the condition of the jotestinal walls

I L ROUX BLPE

Jackson R. Some Unusuat Phases of Sigmoides
copy T Am Procest Sec Atlantic City 1914
I ns By Surg Gyner & Obst

The diagnostic value of the sigmoidoscope has been the topic for much discussion and is increasingly appreciated by hospitals but much less so by the prolesson and mofficiently in medical teaching Esplicit statements of its considerable therapeutic oses are not found to German American or Eoglish laterature The jostrument enhances the extent and accuracy of rectosigmoidal therapeutics and spe enfically it facilitates the use of certain instruments topical applications the relief of high impaction and the treatment of stricture and certain other lessons Serious trauma from the sigmoidoscope fa more hable to happen than some authorities admit as illustrated by three cases of intestinal perforation cated from the Germso Two personal cases are detailed where the patients were to serious condition from occlusion of the bowel but were relieved and sa ed by a gmoidoscopy done with diagnostic intent

Pelvic visceroptosis hypermobility of the sigmoid and the fixed and open rectal ampulla heneath predispose to invaginations and angulations which are fairly frequent to mild and chimne form and are potentially dangerous as a source of acute obstruction Sigmoidoscopy properly coodocted empties the pel is by gravit) -due to the position assumedby sotelligent sotroduction of the instrument and by th air pressure admitted through it and therefore tends to undo such intestinal malpositions The occlusion in the two cases related was un expectedly rehesed and doubtless in this way

Greater prevalence in the use of the sigmoidoscope would him to light a field for deliberate therapeutic use of the instrument along these lines

Graham A B : Perirectal Gumms Report of Two Cases. T Protol Soc Atlantic City 9 4, June By Surg Gynes & Glat

The subject perirectal gumms owes a great deal of interest to its rarity. The two cases reported are rather unque and worthy of publication. They were seen within twenty four hours of each other and both presented a typical perirectal gumma in that no leavon of any kind could be detected in the

rectum of either patient

The first patient aged 47 contracted spihlus at the age of 24. He was treated if non year with mercury administered internally and by nunctions, and pronounced cured. One year later a large ulceration developed on the left leg above the lane required two years for any internet product two syphilute ulceration was made and under local treatment alone these ulcerations dappeared me few weeks. The years ago ulcera tons again being present in the mouth and throat, salvaran was administered by injection into the right buttock. This caused much pain and it required one year for list complete despiparance of The Wastermann test was not made not was any further antispectal treatment presenced.

In November 19 the patient experienced a shight ach ng sensation about the rectum He coo sulted a proctologist who was unable to find any rectal lesson. Three months lat r he detected a nodule or indutation in the right ischiorectal fossa This increased rapidly n size February 28 1013 he was referred to the anth r the diagnosis of sachiorectal abscess having been made easmin tion revealed a case almost identical to that which had been reported by Verneuil. There was a marked induration t the margin of the anus the size of a large ora ge and it extended across the right ischiorectal fossa. It was amouth elastic painless to palpation and fluctuation could be detected Believing that the tumor contained our immediate ncision was advised. This was do e under local anasthesia \ deep incision was made into the most prominent part of the induration It was something of a disappaintment as well as a surprise when nothing hey nd a discharge of blood was obtained. The author fully appreciated his error n diagnosis and the possibility of his having incised gumma The Wasse mann test was made and it proved to he a two plus positi e Salvarian and it proved to me a two pus point of Sharana was administered it in enously and the wound healed at the end of ten days. The induration dis appeared rapidly O month later aupportation occurred which necessar ted an ines on for the evacuation of the pus The wound healed rapidly a d there is now no evide ce f an induration or

fistula. Careful examination in this case failed to reveal any rectal lesson. The patient is still under observation and is receiving antispecific medication.

The second case was a woman aged 28 the mother of a child one month old. She had contracted syphilis three years before had received antiayphibitic treatment for one year but no Wassermann test had ever been made She consulted the author blatch s 1953 stating that she had a lump outside the rectum which had appeared three weeks pre viously and that it was increasing rapidly in size An examination revealed an induration very similar to that which has been reported in Case r except that it was in the left ischiorectal fossa. It was smooth elastic painless to palpation and there was marked evidence of fluctuation. The tem peratura and pulse were normal A rectal examina tion revealed no lesion. A diagnosia of gumma was made this being somewhat easy, owing to the disgnostic error in Case I having been made only twenty four hours previous The Wassermann test was made and proved to he positive Salvarsan was given intravenously. The gumma decreased rapidly in size and at the end of three weeks it had disappeared completely. No suppuration occurred in this case. A leasermann test made one month

ago proved negative. The conceptions are Perinecial gummats are year. The two cases reported are usique and of inferent in that both were typical examples of perinecial in that both were typical examples of perinecial its early or vaccular phase. In one, casel appeared sy years after the usital leason in the other case it appeared three years following the spirhilities and precion. Both gummats were painless to pulpation and fluctuation was directed in both. An error of an abbequeue impuration which followed in the other case in one-time was and abbequeue impuration which followed in the other case no incision was mad a single retail less in could be discovered an other case. The industriant is the content of the other case in the case. The industriant is content to the case of the case

Hassler G L Recurrence in Cancer of the Rectum (Co inbutina a t ét d des recidi es dans le cancer du rectum) Thine di deel Lyon 9 Journal de Churupe

Hassier atudes only local recurrence at the 8 is of the operation not recurrence in the glands or metatases From 3 cases and many statist ca he concludes that there is recu rence in about 35 per cent of the cases a figure which is perhaps somemat too low if it is taken into account that there was no suformation in regard to many of the patients

no information in regard to many of the patients. The frequency of recurrence is like the sevents of the cancer inversely proportional to the ago of the patient. Young people bear the operation well but are agit to have e'dly recurrence in add people the operation is more serious but the results most according to the seventh of the results from the contract of the results of the contract of the results of th

are better in the female because the operation is

easier No relation could be established between the site of the tumor and the frequency of recurrence. It is difficult to determine the relation of the process of the proc

no recurrence by that time
Entenave cancers especially colloid cancers are
more apt to recur. Whatever their histological
form however they may recover if a sufficiently
extensive operation is performed. All the methods
of operation may give good results the chief thing
being to remove a large area and to a said inacula

The penneal method gives persistency recovery but is applicable only to a lumied number of cases the combined stodeminoperineal method is very supernor to the other because it permits more settens or removal of this or the indicate cases Averethiesa sil the methods have their indications, Averethiesa sil the methods have their indications, of satemay a dibetious. He age and the degree of res stance of the natural.

Description of the place is a down in the principle of the taste or in the ear rarely on the mucous membrane. They often exteed to one page of the mucous membrane. They often exteed to neighboring organs and frequently they de elop backward adhering to the sixrum sod then in adding t. There exise are serious because difficult to operate upoo in fact operation ear narely be performed because the are see too late Io spate I the opmon of stam authors to the constitution of the properties of the preparation of the properties of the preparation of the properties of the preparation of the preparation of the properties of the preparation of the properties of the preparation of the properties of the preparation of the properties of the propert

Edwards F S A Protest against the Indiscriminate Use of the Abdominoperineat Operation in Cases of Rect 1 Cancer Pooled 1 0 a m B) > 8 G me & Obst

The author brieve that the abdominopersical operation used indiscriminately in nye seed ancer large or mrill situated high r lone cau es the loss of many lives for the paration is accompanied by a 30 per cot mortality.

Listants hele is the operaton is indicated (1) in Il cases intusted in the rectosignood J inchoo or l were pelice (on (2) lineases where he spread of the growth is suspect douis de of the bowel due in flammators addrasous (3) lineases of rapidle growing at moonal you gpeople It is frontraided to the patients over o ears of age and in fat

males
The a thor has operated to cases by the parasseral
r paracoccyge 1 m thod with a mortality of only
pe coot and cure 45 per cent of all cases

I GE E CARL

Anderson H G Post-Operative Haemorrhage in Rectal Surgery Pocial gut 9 4 in 15 By Surg Gynec. & Obst

The author has econotered 12 cases of post operative hemorrhage 11 in hemorrhoid cases and 1 in a case of fistula. He classifies them as follows 1 Recurrent within 24 hours after operation

from unligated vessels or where the ligature has ahpped
2 Strondary later than 24 hours usually due to cloughing or sensis. Usually tenone in character.

sloughing or sepsis Usually venous in character
3 Accidental anything interfering with the
operative field

4 Late hamorrhage weeks months or years later due to cancer ulceration permicious and

mis etc.

Another division may be external and internal hemorrhage. The hemorrhage if external can usually be controlled by packing with cotton wood or ligation if internal the sphincter should be

atretched and the bleeding point ligated

ELGENE CARN

LIVER, PANCREAS AND SPLEEN

Strobel H: Talma a Operation and Cardiolysis (Talma-operation and kardiolyse) Best M Ch

By Ze traibl f d grs Chr u t Grenzych

The author reports the permatenet results obtained at the Erisanget surpoid cline with Talmas operation and cardoolysis. The Talmas operation mas used to times in curribosis of the later and the talked reports of 8 cases were obtained. In a cases there was recovery operation has ung been performed in one case 9 years before and in the second 3 years here was recovery operation by years before there was the sumprovement 4 patients due from three weeks to one add one-half years after the operation. One case 7 roomths after the operation of the provinces of the pr

The author concludes that all cases of cardiae curbosis are unsusted for this operation while the cases of primary liver cirrious give heiter results varying with the stage of the disease. The potentia had to be punctured several times after the opera too to keep the ascites permanently under control too

Braner a method of Cardodynu was used in three cases of adhesions of the pencadamin which as cause of cardiac currhous where there as not try senous affection of the myocardium. One case operated upoo 5 years ago is still to good general cond tion the second case dred two years after the operation of apoplexy; in the thard three months after the operation there as no improvement To key bare the h art a large flap was made with the base directed much ill or laterally and the

ribe resected at least from the third to the sixth Cases for which serious changes have taken place in the myocardium are not suited for this operation Orinza.

Piahler G E. The Rontgen Rays in the Diagnosis of Galf Stones and Gholecyntitis. An Improvement in Technique J Am II Am 1914 Int 304 By S og Gynec & Ohst

Pfabler discusses the difficulties to he overcome and ansats on the patient being throughly purged by a bottle of magnessa at night and the picture taken the next morning before any brakfast as astes. He removes all cithing and has the patient and the period of the control of

The author has used this technique in so cases it have not as yet been operated on Of the 33 which went to operation be found atones in no and the surgious reported stones in 27 The probshilty of stones was diagnosed in two others which were not found by the surgion. He think his find ing of no in 27 cases high as its general not more than so ber cent can be shown. Low O Beaux

George A W and Gerbe I The Demonstration of Gall-Stones by the Routgen Ray Sesson If & S J 1914, claz, 680 B; Surg G; ee & Obst

The ciercuses of demonstration of gall stones upon plates will be in proportion to the amount of calcium present. Fur echolestern atomic cannot be differentiated fortunately however they do not cause many chromic disturbances. The technique is very manyle. The complicated methods for projecting away the liver shadow are suscessary. With the plate of the

Five case reports are given with plates showing gall-stones and one case of ossified costal cartilage

Satisform and one case of teamer coars can assume the coars of the case of the

gall-stones by the routgen ray has already reached a postion in this country thet warrants its more general use

It is advisable to examine the gall bladder region for stones prior to every hismuth examination of the alimentary tract. The chief sources of error are renal calculus larged mese tenne gis da and costoehondraf ossification These can be differentiated by proper technique D R, Bows

Crile G W Cholecystectomy vs. Cholecystostomy and a hiethod of Overcoming the Special Risks Attending Common Duct Opera tions Sug Gyace & Old 944 xvm, 4 9 By Sun Gyace & Obst

From a careful study of \$32 operations on the biliary truct performed by the anthor and his associates the following conclusions are drawn

a Considering all the later consequences of infectina cholecy attentiony to the type of cases indicated above less morbdily then cholecystos tomy. In these cases the clinical end results of cholecy tectiony are good in ununtable cases chole cystostomy as followed by recurrent cholecystost.

2 No adverse effects from cholecystectomy have been seen provided that the division is made at the her mag of the cystic duct that no gall bladder is left and that the division does not at all encroach on the common duct. This technique can be readily carried out.

3 If acute infection be present then in most cases choices stostomy should be first performed followed if required by a fater choice steetomy

folion of il required by a fater cholocystériousy.

Il the pubbl dêre and the cyatte duct be apparaismately cormai then the gall to dies house be left cholocystoatomy being the operation of choice. If the gall hadder he thick contain moth sear tissue be abrunken above chome infection of the wall, be much impaired if the cystic duct be partially or completely structured or if a stone be impacted in the duct then cholecystectomy should be performed.

5 All gall bladd r operations and especially common-d rt operations, may be performed with a minimum of shock and discomfort by thorough nerve blocking ith novoc ne by sharp dissect n and gentle mas pulstion

6 The pruncipal causes of the hugher mortality a common-duct operations are the damage done to the ourse upply of the iner and the loss of the salts. The sharp it dissection and the clear cut ample mension into the common duct with the consequent minimum core uppers and manum manufact cause the duct and its neighborhood and minimum the common ducts are the common ducts are the common ducts and the more like the common ducts are the common ducts and the mort lity following comm in district, and the mort lity following comm in district.

7 The mortality rate a th 83s records studied for the purposes of this paper was 7 4/5 per cent. This martality rate as well as the post-operative morbidity, will be decreased by the application of the technical proced are described above.

Mayo, G If Cholecyatitis and the Factors that Control Results of Operation J Lauce 214 XXXI 75 By Surg O3 cc & Obst

Mayo notes that the results f operation fo tholer; titls are a fluenced by ma y conditions

bes des those in the gall bladder lacelf wonen phese he enumerate unfections within the laver and blackuret summer changes in the balance of the and type the storage and of the silkalmity of the domein the presence of pylone spasm and thought in the pancreas. He calls especial sitention to a group of lymphate glands extending along the common and hepatic ducts and on the eysile duct. He notes that ony case of choicystitis with sufficient infection to prodoce symptoms will necessarily affect these glands in the majority of cases if these glands are much enlarged a lymphecema of the bead of the pancreas will be foun it as well as infection of the gall bladder. An exception is the general swelling of the mesenteric glands through maily nancy or gross abdominal infection.

The majority of cases of cholecystitis are un doubtedly best reheved by cholecystectomy

Mayo W J Cholecystitis without Stones or Joundice in Its Relation to Chronic Pancreati tla ts J V Sc 9 4 ctiva April By S rg Gynec & Obst

The types of chronic cholecystitis without stones vary is intensity from the mild chronic catarrhal to those characterized by recross of the mucous membrane perforation and other manufestations of severe hacterial infection. Not infrequently the condition is associated with appendiceal infections of a chronic character especially those forms of appendicutar in which foreign bodies usually levaluths are present. Whether or not such appendicutar infections are the direct cause of the infection for the condition of the control of the product o

The clause I diagnosis of ebolecystitus even when stones ore present is not always easy. With the palm of the hand an area may be covered which could be mived ed to pylone and duodenal ulcer disease of the gall bladder appendicuts and atoms or affections in the night kidney or night ureter. Four referred to this region may also be due to similar to a mine the country of the contraction of t

In many cases the only way in which a diagnosis can be est blished is to pen and in pect the mu

cosa and often a microscopical examination will be

Decessary If so much uncertainty exists with regard to the gall bladder and its infections much more uncer tainty must exist as regards the pancreas and its infections The sense of sight cannot aid in solving the question as in the examination of the mucosa of the gall bladder and a specimen will probably not be removed for pathologic examination diagnosis must be established by the sense of touch and a certain amount of intuition on the part of the diagnostician which unfortunately often plays too large a part in his final judgment. In practicing a routine examination of the contents of the abdomen the author states he has been surprised to find how frequently the pancreas showed enlargement induration and nodulation which would have justified a diagnosis of chronic pancreatitis if some disease of the hihary tract had been the original lesson but in which there was no symptomatic evidence that pancreatic inflammation existed Well marked cases of chronic interlobulary pen creatities anvolving the head and often the entire pancreas present conclusive evidence of pan creatitis Such extreme evidences of chronic pan creatitis are seldom found without infection of the behavy tract but in cases less marked the evidence is often insufficient to establish the diagnosis especially when neither gall stones nor jaundice are present There is still another group of cases in which cholecystitis of the chronic type without gall-stones and without jaundice is accommanied by undoubted chronic ioterlobular pancrentitis such cases there is no dilatation of the common duct nor is the gall hladder distended

In the presente of chronic pancreatitis without jaundice and without evidences of back pressure on the biliary tract the gall bladder should be removed if it shows marked evidence of chronic cholecystitis especially the strawb Try type

Danis, R. Results of Grafting Blood Vessels on the Bie Prassiges (Réultst de l greffe de vasseaux sang s ur l votes blu re / Ann Se beig d' ch Brussels 9,5 243 by Journal d' Ch rurge

Da is operated on two dogs os follows: A rectangular piece sas cut from the lower surface of the gall bladder and eplaced by o segment from the gapta was in Three mouths later be examined the results. The peritoneum was entirely normal the properties of the properties of the properties of the gall bladder pope ed normal in attuation mothing form color and size. Its surface has smooth the graft was not visible. Histologically the wall was of ormal th cheese, there being no clearineal tissue. The ven was scarcely changed It was covered whether the properties of the properties of the the companies of the properties of the properties of the same epithelial covering with a stimular change and epithelial covering with a stimular it was distinguished from the latter only by f wer folds and by the absence of lymphatic follocies. The process of regeneration was evidently analogous to that seen in Injuries of the cornes. The liabeler wall seen in Injuries of the cornes. The liabeler wall considering the ven as a sort of middle tune had extended its mucous and submucous costs ower at and its serous cost under it. Extending from the periphery to the center of the graft this reparation and resulted for a complete restitution of sieties was The conclusion is drawn from this that velo tissue serves as a perfect graft if the balle prisages serves as a perfect graft for the balle prisages from the plastic as well as from the functional point of view.

Carrera J A. Splenectomy in Diseases of the Spleen (La splenectoms da a les affections de la rate) This s d dott Buenos Aires, ora-By Journal de Chicurgie

This important week discusses aplenectomy in all the diseases of the apleen for which it has been performed. Interesting austomical physiological and chinical potons bearing on the pathology of the apleen are brought out but the especially interesting portion of it is the résumé of all the cases published in the Argentine Republic from 1805 to 1913 num henge 27. They may be classified as follows:

Anguosarcoma
Anguosarcoma
Banji s disease
Runture of the sulcen
7 operations with recovery
1 operations with recovery
2 operations with death.

Coveries and 3 deaths
Injuries of the spleen
Torsion of the pedicle
Torsion of the pedicle

Malanal spienomegaly 5 operations with re-

Primary tuherculous roperation with recovery

Leukæmia Cancer of the pedicle Hydatid cyst Splenomeraly

2 operations with death 1 operation with recovery 1 operations with 1 re-3 operations with 1 re-

The author advases that the patient he placed to the denail position inclined toward the sade by the ald of Rio Branca a apparatus He reviews the officers in a state of the same as a position and the same as prederated the same as the

MISCELLANEOUS

K Hogg F S Procis; a Cause of Gynecological Failure B st M & S J o 4 clux 646 By Surg Gynec & Obst

The author reports four cases typical of plous being a cases of genealogical failure. All these patients were operated upon but they were hitle releved. They had symptoms of ptotas when the author saw them. Three of the patients had complained of ptosis previous to operation. They were relieved of all symptoms by mechanical support of

the abdomeo

The author enters so to a discussion of the diagnoss of this condition and emphasizes the fact that the treatment of uncomplicated priors belongs to the orthopedic surgeon Failure in many cases to accure proper results is due to improperly fitting relative to the control of t

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, MUSCLES, TENDONS CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Con S M Osteomyelitia at th Sacro-Illac J ing with Gea Bacillus Infection Am J Orth S g 014 21 389 By Sung Gymet & Obst

The anthor reports a case of gas bacil suffection of the hum around the sucro-bac outs! as which at autopy the bacillt were demonstrated in the boar the muscle and the hurs and all the tussues of the body heng inditrated with gas. It is not attact but the general statement is made that most of the form of the sucre of the location fat his case but the general statement is made that most of The organisms are very seldon fround in the blood and only w th gre i difficulty get most be general circulation. In this case there was necrotic bone as the thosacral region from which it infection started and progressed in droust). W A CLEEK

Kilnens, J Radiographic Diagnosis of Bone Sarcom (Le di gnostic radiographique des ser conors osseus) Paru med, 10, 4, 1, 229 By Journal de Chicarit

Radiography not aly enables us to make a diagnous of sarcona of the boce but in many cases asks in determining its point of origin and histological structure. Osteosarcomas are divided into groups (1) central or myelogenous accromist and () perspheal or persoised astromas. All bote sarromas begin in the disphysic arc the attructure critisiage never in the ropphysic apparatical from the neoplasm by the solid barrier of the articular cartilage.

Perpheral auromas generally invole the periphery only while the central once though they also may develop tremend suly just becast the pendictum, have extinded furthe down so that the distinction between the two is made not by the preponderance of periorital development but by the

amount of destruction of bone tissue The perios teum is broken through only in the late stages of the di case Often a shell impregnated with calcium salts is formed around the tumor whatever its thickness it shows very clearly on the radiographic plate Sometimes the neoplasm shows bony trabe-culæ which tend to hmit its growth the peripheral

sarcomas especially show this tendency

Bone sarcomss may be confused in d sgnosis with scorbutus syphilis chronie arthritis and white swelling Radiography simplifies the differential diagnosis. In scorbutus the terminal surface of the diaphysis shows an opacity greater or less in extent very inten e and irregular in form. This sign is characters us and often determines the diagnosis without the history or clinical examination Siphi he may cause more or less destruction of bone by the formation of gummata but it forms more bone tissue than t destroys while the opposite is true of

Syphilis of the diaphysis is characterized by re-traction of the medullary canal and the abundant formation of bony lamella. In the emphyseal form there are clear spots and cating rarefying estertis or even small intra-osseous gummata Chrome arthritis sometimes does not show any appreciable change in the bone sometimes as in arthritis deformans there are numerous small ocoplasms at the andes of the patella and at the edges of the particu lar cartilage where it is continuous with the periosteum The synovial form of white swelling is characterized by marked swelling of the joint which is studded with fungosities shows more or less pronounced decadefication and no destruction of bone the bony form shows lessons of the trabecular

limited, at first at least to the epiphysis There are also some sources of error in radi ography The opacity of ossilying sarcomas is sometimes so intense and uniform that all detail is absent and a diagnosis of esteema might be made if it were not for the history and clinical examina tion Some sarcomas escape radiographic diagnosis by the opposite characteristics that is by the absence of confication and destruction of bone. In a case of subperiostest harmatoms in a child resulting from a tranmatism of the thigh Klinens saw a thin but clearly defined shell surrounding the diaphysis of the femut This shell was formed of calcifed periosteum and microscopic examination of rt showed thees was no sarcoma present. In the majority of cases the radiographic picture of osteosarcoma is pathognomome, but there are cases where a definite conclusion is impossible

I DUNOSE

Das R. Paget s Bone Di case (Che P getache Knochenerkra Lung) Best M Ch 1844. 914.

lxxxvi 64 By Zentralbi f d ges Chir a I Grenageb Paget disease or ostitis deformans is a disease

of ad anced age which progresses slowly and generally causes no other disturbanes than that

produced by the deformity of the skeleton. It generally begins in the skull and then affects in succession the tibla femur pelvis spinal column classice mbs humerus and radius frequently symmetrically but sometimes unilaterally. The bones become larger and softer hent and mis shapen The spinal column shortens so that the height is decreased. The diaphyses of the long bones are affected the joints are not. The form of the body with its enormous skull and the uppar ently elongated arms reaching to the knees re sembles that of the anthropomorphous apes There are often pains in the diseased bones - rheu matic gouty or neuralgic in nature without periodic

or nightly exacerbations The complications are those to be expected at the age at which it occues arteriosclerosis, atheroma tosis ulcers of the leg heart affections lung diseases caused by the huntation of the respiration and very frequently multiple mal guant tumors of the bones Spontaneous fractures are rare in contrast with fatrous cettitis

Ristologically there is diffuse destruction of the bone marrow with fibrous transformation widening of the haversian capals decrease in the lamellar with destruction and new formation of bono sub stance the former exceeding the latter in degree The disease has been attributed to heredity trauma gout rheumatism chenges in the pervous system the influence of the glands of internal secretion sensity and hereditary sypholis but as a matter of fact the etlology is unknown. There is great similarity to fibrous ostitis but in the latter disease there are thats and tumor formation while in Paget a disease there are only fibrous foci in the bo e Treatment has been without effect except in one case that was treated successfully with calcium lactate The author in conclusion gives the history of a typical case of his own in a woman 70 years old

Hartung A : Some Unusual Bona Lesions. Am J Ro tgr el 1914 1, 20

By Surg Gynec & Obst The author reports 2 cases of ostestis fibrosa delormans (Paget s disease) one case of osterus fibrosa or multiple bone cyst and 3 cases of hyper

trophic cateo arthropathy of Mane

In the cases of Paget a disease there was grossly bowing and enlargement of the long bones and hyperostosis and thickening of the flat ones. The minute changes showed a coincident porosis and acterosis one or the other processes predominating in different parts. The fine markings ordinarily shown in the canestious ends of the long hones were replaced by a cosrse trabeculstion which estended ento the shafts In some cases the process simulated periosteal thickening in others, irregular decalcifi eation gave an appearance of caries hear the distal end of both the ulnz and radii of one case uniform absorption of lime salts of a limited area had oc curred resembling cost formation. In the tibbe of

both cases the lumen of the medullary cansi was praetically obligerated having been replaced by irregular lamella of bone

With the exception of the spine the foints were not involved. The process extended throughout the epiphyses hat there was no notireable irregularity

of the foint surface nor was therean) thing uggestive of otrophy of the joint eartilage

The skulls of both patients showed well marked so I similar changes The calvarium was markedly thickened especially at the base and an abnormal porosity in places gave it a marked roottled effect The sella turcicæ were found to be about normal

The case of orteitis fibrora showed a cystic con dition in both classeles some of the rils both tibiz one fibula and one of the metatarsals Frae tures had occurred in both humen and to both femura Most of the tumors showed a localised decalcified area with compartmenta surrounded by a th n espanded shallow hone. In the right tilna a iste pieture shows this shell apparently broken and the growth has all the \ ray appearance of sarcoma.

Of the 3 cases of osteo arthropathy of Mane one was tubercular one clinically tubercular with news tive Von Proper and Wavermann and one had a clinical diagnos s of probabl flanot s cirrhous the lungs were negative. These cases each showed an osteoperiosists all as most marked over the metacarpals and mut tarsal next in legree at the distal ends of the ulne radit tiber and fibule sim lar process extended along the long bones next other bones if cted a condition not shown in the des ription of other cases recorded. Joint surfaces were not I und to be involved and elubbing at the ends of the I agers and tous was not accompanied DRINE by bone changes

Land | F Central Surgical Bone Disease (Lbe sentrale b rugische knoch krank ngen) Med

All Barl 014 3 150 By de trathi I d ges Chur u Grenzgeb With the aid of the rontgen pictore it is frequently possible to disgnove bone diseases that cannot be differentiated climically The author discusses the d seases of the c trof the bone that hav been u senses of the c t r of the both that has been recognized the s r T feer red lymphatic mirrow of y oth ching, gradually t to fat marrow. This important in the prognosis of fractures at an ad-va ced age for r embolism; seldom observed. But different off ences, such as long rest in bed band ges etc may c use the bone to trophy the corte becomes thin the structur looks transpare t d post d in the rontgen picture and th red mar ow i tr naformed nto fatty marrow the protection aga n t mbobem has disappeared On the oth han I the lymph the marro pon in fat has cen n dangers. O account of the pres nre of n merous blood essels n the m rrow cavity there is a predisposition t ee bone diseases since it has been bact riologically demonstrated that the bon m rrow I most a ut infection dis eases contains be terr

Sometimes there is a phiegmon of the marrow Here diagnosis is comparatively easy it is more difficult in the chronic lorms of ostcomichtis If there is a cyst with round smooth walls it may be tuberculosis or coccus osteomyclitis although generally in the latter there is new formation of bone because of frutation of the penosteum which as generally lacking in tuberculos a which leads to cascation To bone syphilis we ha e multilocular cysts or large granolation tumors original ng from the periorteum

There is a short discussion I actinomy cosis and echinococcus Multilocular cysts are also found la fibrous ostitis while sol tary ones are found, among other diseases in my elogenous grant-celled surcoma My clomata be originate from the marrow and sometimes also chondromata when there are small islands of cartilage from th embryonic pe ind remsining in the marrow but these are easily recog nized in the rontgen picture by their nodular structure Carplaginous exostoses owe their origio to similar islands of eartilage Octeomsta Thromata and myzomsts occur more rarely There is no primary carcinoma of the bone at most an eputhel al cancer may arise in bone from profil ration of skin or mucous membrane to fistula leading into the bone

Cholestes tomata of the astragalus are interestion from the point of vew of the history of development as are also ilermoids of the frontal cavity adams to ot all of these diseases are satisfactors mata ete ly esplained many problems still and t solution, as for example the fact that certain carcinom to cancer of the breast an I prostate have a perial tendeocs to produce metastases to bone-marrow as do also hypernephromats. Grawitz tumors of the Lid ev and malignant goiter

M yer L. and W haer E. Iroportance of Indi Idual Components of Bone Tissu In the Regeneration and Transplantation of Bona recurrentum and Transplantation of Bons (New ters the ur Frage d Bedeut ag de em-sel en K mponente des Knochenges bes bet de Repestration and Transpla tation on knoch) Arch & M Ch 19 4 Cut 13 By Zentraüh i i d ges Chi

In experiment on dogs treely transpla ted periostrum and periostrum after subperiosteal reect on I be e reproduced be while ther was no gro th when the periosteum a removed from the pla taims the bone cells ho ed oo new tormat of bone while the pe sostesim was act e in this respect and also the endoth hal rell of the marrow cavity and the haversian ca is Bone th t is macroscopicall free from periosi um to be tr ns planted because it reta os the osteohlast of the cambrum layer nd th endothchal cells of the marrow cavity a d the haversian canal-

From these esperame to it I llow that in ma the bone must always be transplanted with its persosteum rat least with as much of the cambium as possible A part ni the transplanted bone dies another part lives until the transplant is vacular ized. The dead bone is partially dissolved by the young bone-cells which firm new bone at the same time which is gradually substituted for the old and penetrates min the sid empty bone cavities

Kraschiner

KINGE

Walther II W E.1 Gonorrhesal Metastatic Arthritis Boston M & S J 19 4 clax 561
By Surg Gynec. & Obst.

The author reviews some of the more recent interature cancerning metastatic geoorcheal arthritis. Idection of this type usually takes place after the acute urethral manifestations although this is not always the rule than classe stock occurring in firm 15 to 4 days. Thirty per cent involve memon the control of the control

t Arthraigm without definite lesions in the

joint

S. Acute serous symmetris with much penarticular

swelling
3 Acute fibrinous and plastic symmetis with

slight effusion
4 Chronic serous or purulent synovitis

§ Involvement of borne and tendan sheaths Treatments consisting of injection of a per cent formalin and glycerine seminal vesiculotiony actual applications prostate massage Bier's handsge lead and optum see eaps packs astracted solution of magnesium sulphate and ichthyol, are recommended. Serotherapy and vaccine therapy are yet of doubtful value. Autogenous vaccines appear

more efficient
Surgically the infection has been treated with
more or less success by (1) aspiration (2) aspiration and antiseptic injection (3) incision irrustion

ton and antiseptic injection (3) incision irrigation and drainage and (4) seminal vesiculationy. The latter has not been accepted by most conservative surgeons but if the focus lies in the seminal vesicles the present trend will probably

demand its more common use

H W MEYERDING

Lehm nn E Post Traumatic Ossification in the Region of the Libow-Jnint (Postraumatische Ossificatione in Gehete des Elle begeneles) Deut he Zit ir f Ch. 9 4 czwi 3 By Zentzub t d gar Chu u Grenzreb.

The first cases I myosits oss for a that were observed in the region of the fellow joint were all connection with posterior dislocation and so were regarded as a consequence of that mayer Machal in 1908 in dislocation as a rule caused a circumstribed ossification in the muscula inter of the close. But even I such a con extin ex it is anthor believe; that there must be ather factors of mure general nature prod eng ossifications.

fication, for it has been found after other injuries than dislocation and has been lacking in dislocations inf other pants as it is found only very rarely in any other joint

The author has collected 37 cases nf onsafeating of the elbow yout from spot in typin and publishes for cases and all all them show bone profiferation in the brachaits authous and some of them at the inertino of the traceps from the size of a cherry up. The epplysus and sometimes also the displysis of the huments was surrounded by masses af callus. By no means all of these appeared after dislocations in fact posterior dislocation neutrated in mily to cases some of them came after functures are some of them came after functures are some of them came after functures are some of them to me after the same after the sa

Lehmann does not asswer the question in a bether the bone proliferation augmated in the muscle are persenteum because the esteohlastic farm ariginating from personsteum because the esteohlastic farm ariginating from connective usawe appeared such py side. But there was certainly some purely intramuscular proliferation of bone without participation in the personsteum. As evidence he estes the routgen pictures and the fischangs on operation where bone and

pernoteum were found completely intact. Several factura art brought forward as possible causes of the ossification of the soft parts first that the anatomical form of the from with its various projecting ends of bone renders it specially liable to make the soft parts of the soft pa

As to clançal course and disgnoots the author with inters believes unreservedly in conservative treatment for these bone prohierations tend in disappear spontaneously it is especially important in treating recent injuries in avoid all fured movements. The prognosis depends in the kind of prohieration, its use and location and its capacity for absorption.

Leonhard: Treatment of Tuberculosis of the Shoulder, Elbow and Wrist Joints and Its Results (Uber die B ndl ay der Tuberkulose des Schult Elbogen und II dgelenks und hir Exfolge) Bette Al Ch 19 3 laxva 185
By Zestrabli d ges chen 13 Grengehr

The author collected the results that have been obsaued fair the past 19 years at Garre a chuic in the treatment of tuberculosis of the upper extremity Of 145 cases treated 25 were tuberculosis of the shoulder 79 of the chow and 41 of the wrist tuberculosis of the shoulder 79 of the chow and 41 of the wrist to the natural location and votalished according to the natural location and under the control of the page 10 of the

In the et ology the disease was reported as spon

both cases the luraen of the medullary canal was practically obliterated having been replaced by irregular lamella of bone

With the exception of the spine the joints were not involved. The process extended throughout the epiphyses but there was no naticeable irregularity of the joint surface nor was there asything suggestive

of atrophy of the joint cartilage.
The shalls of both patients showed well marked and aimilar changes. The calvarium was rearkedly thickened especially at the base and an ahnormal porosity, in places gave it is marked muttled effect.

The sells turnore were found to be about normal. The case of ostenis fibrous showed a cystic con daton in both elavicles some of the risk both this cone fibrous and nos of the metatarsial Fractures had occurred in both humers and in both femium. Most of the tumors aboved a localized decalided area with compartments surrounded by a thin expanded shallow bose. In the right this a late picture shows this shell apparently broken and the growth has all the Yer by apparance of surrouns.

of grown has as in the V rey appearance of sarcorna.

Of the cases of osteo arthropathy of Mane one was tubercular one climally tubercular with least of the Von Priquet and Wasermann and one had a climical diagnosis of probable Hanot a climical organization. The value of the sate of the value of val

Landoia F Central Surgical Bone Disease (Über entrale charquiche Anochene krankungen) Ued XI Berl q 4 s6q By Zentralbi f d ges Chur u Grenngeb

With the aid of the rontgen picture it is frequently possible to diagnose bone diseases that cannot be differentiated clinically The author discusses the diseases of the center of the boas that have been recognized thus far The red lymphatic marrow of youth changes gradually into fat marrow This is mportant 1 the prognosis of fractures at an ad vanced age for fat embolism is seldom observed sa children But diffe ent influences such as long rest in bed bandages et may cause the hone to atrophy th cort x becomes thin the structure looks trensparent and spotted in the röntgen picture and the red marrow a transformed sato fatty marrow the protects n again t embolism has disappeared On the other hand the lymphatic marrow poor in fut has certain dangers. On account of the presenca of numerous blood vessels the ma row cavity there is a predisposition to severe bone diseases since it has been h eterologically demonstrated that the bone-marrow in most acute afectious diseases contains bacteria

Sometimes there is a phiegmon of the marrow Hera disgnoss is comparatively easy at is more difficult in the chronic forms of outcompetits. If there is a cyst with round, amonth walls at may be tubertulous are occurs osteomyelits, although generally is the latter there is new formation of bone because of irrations of the perfortent which agreement is the latter there is new formation of posterily lacking in tuberculous which leads to agreement in the comparation of the perfortence of posta of large manufactor tumeno originating from the periodeum.

the periodecum. There is a Strukelouler of a terromycors are formed for the control of the contr

Cholestationata of the atragalus are interesting from the point of view of the history of development as are also dermonds of the frontal cavity admunicate as the dermonds of the frontal cavity admunicate the votal of these demans are stanfactorily explained many problems still await solution, as for example, the fact that certain circumstancement of the breast at a prostate have a special medium of the contraction of the contr

Mayer L and W hn E Importance of Indidual Components of Bona Tass a in the Referenciation and Transplantatu a of Bone (New Versuche zur Frage de Bedestung der emseinen Komponenten des Kanchengeweben be de Referensplan

Regeneration ad Transplantation vo knochen) Arch M Ch 94 cm, 73 By Zentralbi t d ges Chu 1 Grenzgeb

In expenients on dogs freely transplanted periostem and periostem after ulternosteal resection of bone reproduced be a while there was no growth when the periostem was removed from the a race of the transplanted bone. In bone trensplantation the bone-crist shorted no new format on of bone while the periostem was active in the respect and also the motibed and no set format of bone while the periostem was active in the respect and use the most convention of the control of the control

From these experiments it follows in t in man the bo a must all ays be transplant d with its periosteum or t least with as much fithe cambium as possible. A part of the transplaced bone dies another part lives until the transplact is vascular ized. The dead bone is partially dissolved by the joung bone-cells which form new bone at the same time which is gradually substituted for the old and penetrates into the nid empty bone cavities.

KIRSCENZA.

Waither H.W E.: Gonortheral Metastatic Arthritis. B I s.M & S. I out clax 561
By Surg Gynec & Obst.

The aothor reviews some of the more recent iterature concerning meinstaile geoorrhead arthre its Infection of this type usually takes place after the scute urethral manufestations, although this is not always the rule two cases cited occurring in from 10 per cent are polyariticular. The knee andle and wrist proofs are most commonly involved. The types of infection are

z Arthralgia without definite lesions in the

2 Acute serous eynovitis with much periarticular swelling

3 Acutn fibrinous and plastic synovitis with

4 Chronic serous or purulent synovitis.
5 Involvement of burse and tendon sheaths

Trestments consisting of injection of a per cent immalia and jo-cente seminal vesculotomy actual cautery blood letting aspiration and the usual epiplacitions protatic massage Bare's bandage lead and opium see caps packs asturated solution of magnesis un subplact and ichthyol, are recommended Serotherapy and vaccine therapy are with the control of th

Surgically the infection has been treated with more or fess enecess by (1) aspiration (1) aspiration and antiseptic njection (3) incision irrigation

and dramage and (4) semmal vestculotomy.

The latter has not heen accepted by most conservative eurgeons but if the focus lies in the
semmal vestcles the present trend will probably
demand it more common use.

H W MEYERPING.

Lehmann E Post-Traumatic Osufication in the Region of the Elbow Joint (Post unatuche Osuficationen im Gebiete des Ellenbogs geleaks) Desis he Zinth f Chr. 94, czrvi 3 By Zestalbi i d gr. Chr. 5 Grüngeb.

The first cases of myonits conficunt that were conserved or the region of the elbow point sense all to connection with posterior dislocation and so we regarded as a consequence of that injury. Machol in 608 and others alterward assumed that the replacement of a posterior dislocation as a rule caused a circumscribed ossification in the miscrature of the elbow. But even of such a connection exists the author believes that there must be other factors of a more general usuter producing east

ficating for it has been found after other injuries than dislocation and has been lacking in dislocations of other joints as it is found only very rarely in any other joint.

The author has collected 37 cases of conficients of the ellow point from post to tips and publishes the case histones. The ristigen partners are very interesting and all of them show bone proliferation in the brachashs solvens and some of them at the locarists of the incept from the ease of a cherry up. The epiphysis and sometimes also the displays of the humerus was surrounded by masses of callies, the humerus was surrounded by masses of callies, in fact, posternor dislocation occurred in only or cases some of them came siler fractures or even simple opparise. There was always a trauma of some sort though in some cates it was very affect.

Lehman does not answer the question of whether the bone probleration originated in the miss'le repersonateum because the autoblastic form original ing from personteum and the metaplastic, originating from connective tissue appeared use by side. But there was certainly some purely intransacular probleration of home without participation of the penseteum. As evidence be cleas the fortiery spetures and the findings on operation where ho a sand

penositum were found completely unless. See some fine of the Several faction are brought forward as possible causes of the condication in the soft parts. Earl, that anatomical form of the blow with Its sarious propert g ends of bone renders it specially liable in mechanical injury harmorhape plays a certain pair in the formation of new bone and also the synowin the formation of new bone and also the synowin of the sound of the sou

As to chuscal course and diagnoss the nuhor with others heleves unrestructedly in conservative treatment, for these bone problerations tend to disappear apontaneously It is especially important in treating record injunes to avoid all forced universelves. The prognossis edpends on the kind of probleration, it cause and location, and its capacity for absorption.

K.OCE.

Leonhard Treatment of Tuberculous of the Shoulder Sibow and Wrist-Joints and Its Results (ther due B handlung of Tuberculous des Schulter- Elbogra and Handgelenks und Its Ed by) Best e H a Chu 9 3 hzvnl, Best e H a Chu 9 3 hzvnl, By Zentralis i d ges Chu v Grangel

The author collected the results that have been obtained for the past y years at Garre's chief the testiment of tuberculosus of the upper extrained the treatment of tuberculosus of the upper extrained. See retuberculosus of the shoulder 79 of the cibow and 41 of the with the collection of the contract that the contract the treatment was made with calculations of the contract that the contract that the contract the contract that the contract

In the et ology the disease was reported as toon-

tancous is ry cases due to tranna in S and hered intery taint is 3. The diagnoss may be confused with osteomychils sypbilia sad arthritis deformats to 31 5 per cent of the cases the desicase was in the humerus abose in ro 5 per cent in the articalition process in a per cent the whole shoulder joint was involved There was carres socio to sa per cent.

The treatment was conservative coasisting of injections, Bier a hyperamia, hot air and reaf. If this was not successful eacochleation or even resection was performed Eight cases were treated conservatively excochleation was done in 5 and

resection in ra

The author comes to the conclusion that the resected cases gave the best permanent results The etiological factors were the same in tuberculous of the eibow point as in the shoulder joint. The

entire folot was tayohe di a do 3 per ceat of the case. Garde bethey est bian the indirent a should he treated contret and the position while a must rest in the fight-angled position while in adults resection should be performed. Resection was performed to a cases and the immediate and late remiss were to a cases and the immediate and late remiss were formed so times and so of best cases recovered completely. Amputation was performed in a cases

conductory respectives was previous and access to the control of t

VORSCHUTZ.

Altison N Tuberculosi of the flip; an Auslysis
of Tweaty Ft e Selected Cases T Am Orit

At Phila. 9 4 June. By 5 rg Gruce, a Obser. The purpose of the article as to consider the reliative value of prolonged fraction and prolonged factors and prolonged factors. The process of the process and factors of Parasapora on I ven These cases and finance pairs of Parasapora on I ven These cases are reported alter a sufficient period of time has elapsed to justify the conclusion that the disease process has heated and the results obtained are submarte un so far as the hip is concerned. The cases are studied for mits the disease process of the print of shortening motion and deformation. The

results are checked by frequent radiograms

The average shortening where plaster of Paris
spicas were used was 1 45 meh where the Bradford

traction-abduction spint was used it was 50 d as not. Where plaster of Para spices were used to be average atrophy of the thigh was 1.47 meh and the average atrophy of the thigh was 1.47 meh and the the call one half face is where the Brailford traction abduction aplust was used the average strophy of the thigh was 1.27 inch and of the call 70 of an lach. From this latter observation the conclusion may be drawn that the use of traction does not materially increase the amount of atrophy. Motion was preserved in all the haps treated at the tion was preserved in all the haps treated at the tion abduction spint and was lost in 60 per cent of the cases treated with plaster of Paras guests.

The author is led to conclude further that in any treatment given tuberculosis of the hip it is essential that the case under treatment he very carefully watched. This is most easily done where it is necessary to observe the case frequently a condition made serginary by the care of the traction splint.

Abacesses have occurred in 33% per cent of the cases treated with plaster of Paris spices and in 40 per cent of the cases treated with traction abduction aplints

Rogers, M if : Tubercutosis of th Knee in Adults; Prognosis and Treatment Ir in

Orth 4s Phila 914 June
By Surg Gyner. & Obst
The author reports the cases of tubercritons of

Assachusetts General Hospital during the last fourteen years. He compares the nature of the dueses and the results of treatment with similar statustics from certain children's clinics.

One hundred consecutive records of taberroloss of the hare were studied to ascertain the results of the most common form of treatment fination by means of planter of Paris bandages there being no record of a case cured by the conservative method

Theory-sic cases were attailed very thoroughly during the last four years all of them being subjected to operation, and it was found that as far as can be proved changily all but one case had its origin in the superior which is contrery to the ordinary conception that tuberculous starts near the prophysis a destends to the capsule accordarily

The coordinators are breatment are that conservative methods do not show good results that extsions when performed ulter there as marked destine titus of the joint cause a slow convaluence that better results will be obtained if an excusion is done se early as the diagnosis can be made point elyrhing it is often necessary to perform — e ploratory arthrotomy to make a positive diagnosis.

Hayem L. Penetrating fo juries of the Ance-Joint (Les places penétrantes de 1 ruculat on d. genos) Thèsts d det P2 19 4 By Journal de Chrurge

The author work considers only as nes to the lace in twil life. They are more senous than is generally behaved and of the ases considered in this thesis not one escaped surgical intervention. The functional result was certainly better in the

R O RITTER

cases operated upon early The three deaths were in patients operated on late from the fourth to the tenth day In one case there was resection of the hence with recovery all the others were treated by extensive arthrotomy The conclusions reached are

extensive arthrotomy The conclusions reached are In slight joint injuries immediate arthrotomy should be performed if there is a foreign body arthrotomy within the first twenty four hours if there is distention of the synovial size in other cases the surgeon should he ready to intervene at the first

ugn of joint infection
2 In large injuries drainage should he freely
used after excision of the contused tissues

3 In case of persistent suppuration and aggravation of the general condition, resection of the knee-joint should be performed without hesitation Life Logszar

FRACTURES AND DISLOCATIONS

Moore J E. Fractures of the Nock of the Femur Old Dom me J 9 4 Xvi., 33 By Surg Gynec & Obst.

The author advocates very warmly the so called natomical method of Maxwell of treating frectures of the hip. He states that Maxwell Ruth Whitman and others have demonstreted the fact this fractures of the neck of the fermir can be treated about as successfully as those of the shaft and that the practically bopcless prognous as to function given as most excitoday as hade on the results of the older methods as hade on the results of the older methods.

The reason for the failure of the old method her to the fact that the fragments are not brought mto appointion. Marxed is method in brief consists in adding a sate pull to the Buck seatens on the result of the two pulls ber g a pull outward in the long axis of the neck of the femur thereby rendering the capsule tense and bringing the fragments into proper

relation
The method allows full control of the limb so thet
the tandency to evenson may be easily corrected
Sight flenom movement of the Luce up one ble which
no didr people us of especial advantage us preventing
analysions. The patients are allowed and encouraged
to sit up in bed and there is no danger of distorbing
the fragments because the bealf rotates in the
acticabulum. This adds much to the comfort of the
author believes that which Viginians method of
extrem abduction and etention in plaster is no
doubtedly the best for children. Mixwell is method to
to be pref red for add its because it is more comfortably and con- emently applied.

F J GARASTEN

Scott H A A Treatment of Fractured Fernur J Ohl St M Ass 9 4 \ 462 By Surg Gynec & Obst.

The treatment of fractures of the femur hy means of Brown's modification of the Hodgen spint is described. The apit is recommended because it

is cheaply and easily made at is easy to apply and keep in order it is comfortable for the patient and the results are perfect in almost every case. The patient sits up in bed from the time the spinst is applied. The author especially recommends its use in the treatment of intracapatial femur fractures. A Buck's extension is applied to the feg and attached to the datal end of the spinst. This holds the leg well down in the spinst and is also the means of applying traction. The spinst containing the leg is suspended from the ceiling so that it hangs freely at all times. By adjusting the straps or cords the

Parthenay C de Treatment of Fractures of the Leg by the Ambulant Method (Contributon & 1 stude du trustament des fractures de jambe par la méthode de marche directe) Thiss d ded Par 9 4 By Journal de Chrurgie

eversion is slightly overcorrected and the longitudi

nal axis of the legis preserved Abduction is produced

by pushing the bed to one side

The author reviews the vanious methods of treating fractures of the leg with special consideration of the ambulant treatment. He describes in detail Guildia and Boussher's bivalve apparetus and Delhet's apparetus. The advantages of the former are its removability the possibility of dressing the wound of an open fracture and the possibility of removing the apparetus at might open the part of the possibility of removing the apparetus at might give the possibility of the possibility of entire in a successful and the possibility of the resument such as maxing electricity and hot air and the fact that a sufficient degree of pressure can always be preserved by tightnening the crepe bands even after the duappearence of the orderna.

The unapholity of Delhet's apparatus is amplia-

sized It can be applied in most fractures of the leg even when low down it permits inspection of the site of the fracture but has to he changed two or three times as the cedema decreases Twenty three cases of fracture of the leg treated by this method are reported 16 of them with Delbet a Unfortunately the histories are too apparatus bnel to be valuable as statistics Six of the cases were fracture of the tibia in children from 6 to 16 with very little displacement In 7 cases Goillot and Bossière a apparatus was used one was a compound fracture of both bones of the leg, but the apparatus was applied only 6 months after the accident because a fistula persisted. The other 6 cases were oblique fractures of the tibia with fracture of the fibula but with little or no displacement apparatus was applied soon after the accident and the results were satisfactory the patients being able to resume their work very soon.

Anxilotti G Study of Anterior Dialocation of th Head of the Rad us (Contribution & I stude de luxation timeurs de la ted radus) Riforms seed 9 4 MI S9. By Journal de Chrunge.

The first case reported was a recent forward dislocation of the head of the radius A boy of 8 while carrying his little brother on his back fell and atruck on his efbow Examination an hour later showed (r) Decrease of the transverse diameter (a) increase in the anteroposterior diameter (3) the bony projection of the head of the radius could he feft and movements of the diaphysis communicated to ft (4) complete extension was impossible and flexion could not be carried to more than a right angle Radiography confirmed the disgnosis of dislocation without fracture of the ulna Redoction was easy by hyperestension and traction on the loreatm while the head of the radius was pushed toward its cavity There was slight compression on the head of the radius and immobilization in a position of extension There was such severe pain in the forearm that it was necessary to open the apparatus A disgnosis of radial acuntis was made. which was overcome by massage hot baths and electrical treatment. Radiography to days later showed good reduction

The second case was an old dislocation of the head of the radius A boy of 7 hed fallen with his arm in forced extension a year before. When he entered the haspital there was valgus of the elbow to rss degrees a spherical tumefaction which was the head of the radius limitation of extension flexion was possible herely to a right angle Radiography confirmed the diagnosis The head of the radius was resected and the arm immobilized in extension for ta days. The result was excellent as flesion and

extension became normal

The author emphasizes the possibility of injury to the radial nerve In old luxations he thicks the new foint that is formed often permits almost all the necessary movements without any operation In recent dislocations radiographs should always he taken He helieves that reduction should be m in tained by immobilization in extension and moderate superation At the same time there should be sight pressure on the head of the radius If this is not sufficient open operation must be performed. In old dislocations the operation of choice is conservatrye resection which gives good results and allows the development of the function of the joint

De Smeet: An Unusual Luzation of th Meta carpals (Une tux tion rate des inétacarpieus)
A n oc d' mid d Gand 9 3 1 437
Ey Journal de Chiru Sie

De Smeet describes a curious lesion which he has not found described anywhere so med cal literature and which he therefore considers, if not unique at least extremely rare A man of \$5 had been treated for an open fracture of the middle third of the leg by careful disinfection with tincture of iod ne unmobilization and massage. If e had fest the sital at the end of three weeks apparently com plet ly cured but returned about three weeks f ter He walked perfectly as well as before the accide t but he complained of a painf t sensation in the sole of the foot at the head of the third metatarsal The

pain was not very acute and was produced by presaure of the foot on the ground.

Upon examination it developed that the patient had had another injury which had not attracted the least attention during his stay in the hospital There had been complete furnation of the fifth and seventh metacarpals one under the other magnis and fracture of the head of the third metatarsai Radiography confirmed these facts. A very re-markable feature was that while the metatarsals were displaced lowards the phalanges of the toes were in an absolutely normal position The lesions scemed to indicate that the foot had suffered con

siderable violence at the esternal surface of the

row of metatareals while the toes were fixed in

some fashion so that they could not follow the

The nationt had never complained of his foot all the manipulation in reducing the fracture had not caused any pain in that region although the physician who cared for him at the time of the accident said that his hoe had been torn into shreds The author has him under observ tion and if the pain increases, a greater or less part of the dislocated metatarsals will doubtless have to be resected I DUNOVE

Feldmann A. A Case of Central Luxation of the Fermur (El Fall von Luxation femoris centralis) Discrete o fielle 913 By Journal de Charagor

Central dislocation of the femut-that is the penetration of the head of the femat through the perforated acets busum into the persons one of the rarest dislocations of the hip joint. In all cases it is caused by great violence. It is parely traumatic. The first symptom is the position of the hip on the

affected s de

In the author a case there was flexion and outward rotat on In other cases the position is different Sometimes bduction and outward rotation sometimes adductio and out ard rotation. In all cases there is ontward rotat on. Replacement is typically easy and generally not cry painful but after the crisation of the free that has restored the leg to pos ton it slowly settles buck not the faulty positio. Treatme t a uncom-plicated central dislocation con ists chiefly to replacing the displaced head of the femur prognosis should be guarded

SURGERY OF THE BOMES, JOINTS BTC

Movement H Disarticulation of the Hip with Resection of the Accessbulum in Old Cases of Oracigi (Dasarticulation d la hanche ver-resectate d colyric datas les seules cor lipra) effection d motive team o 3 508
Bull et sein Sec nat d Par 9 3 508
By Journal de Chirurgie

The anthor reports two cases of resection of the h p and acetabulum in tw patic is one of whom had had a fistulous coxalgia for ra years, the other for so years had had a consign which had apparent

ly recovered but bad recently been complicated by a fracture of the lemur. In both cases function was destroyed and the diseased limb was troublesome and dangerous.

The operative technique was practically the same in both cases The limb was placed in a position of flexion adduction and internal rotation and a racquet-shaped incision made with the handle of it externally beginning in the posterior part of the iliac fossa and descending to the trochanter or a little below The body of the racquet was almost transverse and passed inside at a little distance from the penneal groove The section of the soft parts was made from behind forward. The chief diffi culty encountered was to the lemoral ankylosis After section of the penarticular adhesions great force was necessary to free the head of the femur from the pelvis. The violent blows that were necessary produced symptoms of shock to the patieots who grew pale the pulse became freble and then imperceptible The operation was com pleted by resection of the acetahulum with the asw scissors and hammer and especially the gouge forceps which avoided the necessity of any further shock The results were excellent not only in these s cases but us 3 others operated upon by the author

Rogers J Aurogenous Bone-Grafting for Fracture of the Patella. As Sag Phila 914 hz 453 By Surg Gynce. & Obst

Rogera reports two cases of insture of the patellis treated by bone transploation the bone-graft one and one half inches by three-fourths unch by one cupits inch that's with pronoseum being obtained from the patient a own this on the infected gr. This bone was placed longitudinally bridging the fractured line in the patells. In one case after cupit weeks there was an approach prefere rate and in the other the result seemed perfect after a splint had been worn for as we have

M S HEYDERSOY

McWilliams C. A r Methods Suggested for Bone Transplantations. A S g Phila 9 4 kg, 465 By Surg Gynec & Obst

McWilliams reports that in a sense of experiments every graft covered with pennatural lived while of twenty five grafts made without pennature only 48 per rent lived. He concludes that the blood supply is the all important feature and that manamuch as the pennatural pays an important part in the blood supply it should always be preserved Muntet tragments of a living graft transplanted without the pennatural by the experiments are accessful in go per cent of cases. The aims amount of bone in one large piece depit ed of its pennatural of the pennatural living and the part may produce a living the part may produce he in the part may produce the first transplanted with the part may produce the point first bloom and all unity are mistaken in their conceptions of the

lack of function of the periosteum in maintaining the

The remainder of the paper is loteresting hut does not readily permit of abstracting Under the head of general principles he emphasizes the necessity of sapens andequous transplantation avolding the introduction of wurse nails, screws etc where possible and absolute fixation of the lumb for five months. Technique and cases from the literature are cuted to prove the points. M. S. HEMOSEON

Semfini G An Attempt to Replace the Upper Extremity of the Humerus by a Graft of Dead Human Bone in a Case of Resection for Sar coma (Counderstons sur use trattive de rem placement de festémulé supérieure d'humerus par mes gref jumane de os mort dans un cas de résecte del extrémit supérieure de l'humerus pour astrons) Psi d' Roma, 1943 art 3,

By Jo mal de Chirurgie

Five cases are reported to the laterature of bonegrafus to replace parts of the humens resceted for vanous knds of tumors. Lesur's case is the only one of these that was successful the patient recovered the graft was well borne and the shoulder function was preserved. In the 4 other cause the graft was discharged or had to be removed. This graft was discharged or had to be removed. This terret.

A young man of 16 had a round-celled sarcoma near the surgical neck of the humerus but the shoulder joint was intact Bajardi resected 17 cm of the bumerus, including the head of the bone mession was carried into tissue that was apparently normal about three finger breadths below the tumor This long segment of humerus was immediately replaced by a piece of the same length which was fixed to the distal end of the humerus by bone wedges. It had come trom the body of a man of 60 with cirrhosis who had died from surgical shock 27 hours before It had been removed carefully the skin of the arm was disintected with tincture of sodine and the same precautions exercised as in ao operation on a living subject. The bone was rapidly removed with its periosteum the marrow extracted with a curette the bone immersed in Ranger's solution and kept at a temperature of 2° C It was used three hours after removal Cultures had been made to prove that the penosteum and marrow were perfectly atente The tendon of the pectoralis major was reinserted on the grate

The state of the contract of the grant of the contract of the

metastases. He died the eighty fifth day Radiographs taken the thurtest day showed rate-form of the spongy tissue of the graft. Autopsy showed that the graft was dead it was surrounded by a thick grayth connective-bases membrane but the grayth connective-base membrane but the humers there was no truce of callies. Under the microscope there was no truce of callies. Under the microscope there were undoubted squas of nocrosis.

Henderson M S The Treatment of Ununited Fructures of the Tible by the Treasplantation of Bone. A Sa & Fish: 1914 hr 486 By Surg Gyac. & Ohn.

Nine cases of ununted fracture of the tibia are reported one recent but in the remaining 8 cases audicient time had elspade since the operation to give a perfect functional result. All were males Syphilis was ruled out in all but one case and that was contracted after non-union bad enisted for one

The inlay and not the intramedulary method was used in all the cases and a slowed as a more anatomical operation. All healed without acquas though in the cases alongh of the old car caused an ulcer which stayed clean and granulated over 1t would seem as if the transplanted hone observed by sufficient X ray pictures lives and fractionetes without hong replaced by new bone when implicated the graft in principles of the property of the shaft and cortex to cortex, and mediulary lining in mediulary lang. A piece of cortical bone placed in the medulia forcery and solvy absorbed for here it is practically a forcery and solvy absorbed for here it is practically a forcery.

body The technique is simple Either by the aid of the chusel or the motor propelled circular asw a piece of bone is removed from the internal flat sur face of the tibia The bone should be of suff cient length to make a substantial bridge usually s or 3 inches long and about one half such wide and should include all the layers This is taken from the longer fragment A piece the same width in the same line is then removed from the emaller frag plant is then inverted so that sound bone will bridge the line of fracturo. The part which was the upper end fite into the angle distal to the fracture in the smaller fragment. The prece removed from the smaller fragment is then used in fill the remaining gap in the longer fragment. Both pieces are sewed in by etitching the periosterim of the trans-plant in the periosterim of the chaft. The skin is then closed with silkworm and horsebair and the dressing applied A plaster of Paris cast is applied to include the knee and ankle. This is removed at the end of two weeks, the entures are removed and a new cast put on which is left from four to six weeke

Further tra tment is guided by the individual needs. Union is usually firm enough to permit walking in from 3 to 6 months. Rubinson E. F Treatment of Ununited Fractures of Tible by Intransconflary Bonz Transplate Report of Fi a Cases. A Surg. Phila, 1614, lux, 495

By Surg Gyner & Obst.

Within the last year Robinson has successfully treated five cases of unusited fracture of the tibia by bone transplantation. In giving the possible cause of non umon he advances the theory that a thrombus farms in the autment artery of the tibla. Thus non umon is more likely to occur he thinks in the upper or middle third for the nutrient artery enters this area. In consequence of this impaired nutrition the process of bone repair is so delayed that connective tissue is interposed and forms a permanent block to the bridging across the gap by the Haversian eystem of osteoblasts He thinks that the transplant acts as an osteoconductive atructure and he saves the periosteum where possible He has used the intramedullary method in all the cases, first fresheming op the ends of the fracture and reaming out the medalls. He reports bony umon in one case in less than a month ta another bony union at the end of ceven weeks and another at the end of twelve weeks. Autogenous transplants were used, and all were abtained from the opposite tibis

Loyett R. W: The Un of Silk Ligaments in Paralysis of the Ankle T Am Orth A Phila to 4, June By Surg Gynec & Obst.

In yew of the contradictory internents with regard to the value of the all begament in cater it anisate paralysis causing foot-drop; no operations performed at the Children Ethopatel, Beston from the years 500% on the press some state of the the order with The end results were considered as valid only after the lapse of a year after operation.

As analysm of these fourers showed that occasional melection had occurred but not nonce gir end that this irouble had occurred with all methods of preparation of edit, so that it was not fair to stitubute it to the use of all the prepared by any one formule but to some difference in the technique of the individual operator.

The percentage I success seemed to be largest in the cases when the bone was drilled, and this operation seems to be preferable in that where a percentage seems to be preferable in that where a Cases are kept in platter for from three to sax and the seements of the seem

Cases are kept in planter for from inprevious months, and in a retention shot out it a yest after operation. It seems probable that many future occur from allowing the immigration. It is not the control of the contro

The conclusion is presented that the operation is a useful one in prope by selected cases and in the majority of cases the results are satisf ctory

ORTHOPEDICS IN GENERAL

Gelst E. S The Use of Celfuloid Foot Plates.

By Surg Gynec. & Obst
The author following an idea obtained at Lange s
chalc fn Monich uses celluloid for arch supports

The thick celluloid solution in commercial acction is applied over a plaster model of the foot internately with heavy tape and steed strips the latter placed longitudinally. After twenty iour hours it is dry and is removed and transmed. It is claumed for such plates that they are light in weight inexpensive easily made and fit accurately. W. A. CLAKE.

SURGERY OF THE SPINAL COLUMN AND CORD

Adams Z B The Retation of Bony Anomalies of the Lumbar end Sacrat Spine to the Cause end Treatment of Scollosis T Am O & A Phila ror4 June By Surg Grac. & Obst

The paper is founded on sistantics from the rottine clinic of scolous at the Massachusetts General Hospital. An impection of the Y-ray plates shows that to per cent of this series heng infantile paralysis had symmetrical sacra, with the spine significant of the stays of one side of a compound mant, 6 per cent were due to lesions in the domal spine blind book in the contract of the spine side of the stays of one side of a compound mant, 6 per cent were used to be supposed to the contract of the stays of the side of the side

From this study it is concluded among other things, that a careful X ray mustigation is essential before any attempt at treatment of lateral curvature. In each case the mechanics of this part of the spine should be carefully considered for anomalies of this region are frequent without any scolous.

The study also shows that in some cases, correction cannot be obtained until the bony obtacle to such correction has been removed that in many other cases an operation must follow correction in order to obtain and misuntain a stable base on which

the spine may rest
In the early case correies should be directed to
reducing the anterior fumbar lordosis thus diminish
ing the downward inchination of the upper surface
of the sacrum and to minimaling a fait back position
in standing and a round hack position in sitting

Osgood R B and Bucholz, C. II: An Apparatus f Obtaining True Comparative Photographic Records of Scollosts T Am Onli An I is in 0 4 J By Surg Grace & Obst.

The authors have been impressed such the lack of true comparate photographic records of acolosis. Thy realize that any apparatus must be ample une resulty applicable and cheap in order to meet the dem nds of hospital and pri at a socil. They have desired a irame consisting of two upright posts firmly fised in a base board on the front of which are put at defer and indees. On each of these posts ald two houseneds have tending backwards, the upper and lower pair of which are connected at

the back by a cross bar Oo the cross bar connecting the two horizontal bars and on the horizontal bars are adjustable pelots

The patient stands on the base board in the space enclosed by the horizontal bars and their connecting cross bars The bonzontal bars and pelots are then adjusted so that for a hack view the pelots of the lower connecting har touch the anterior superior spines and the pelots of the upper bar touch the shoulders. The pelots always extend an equal distance from the bars and therefore n view of the patient is obtained in a constant plane A stereoscopic camera is used with constant lighting and constant distances For the view in forward bend ing to show rotation a bar has been devised with a spart level on top Two pelots estend downward from this bar the loaer one of which is adjustable and slightly longer than the upper The upper pelot is placed in the vertebra prominens The lower pelot is placed on the top of the sacrure and the patient bends forward until the bubble of the spirit level is at its midpoint when the photograph is taken

Thomas, II Br Artificial Ankylosis of Spinel Vertebrae T Am Orik Ar I hila 104 June By Surg Gynec & Obst

This article is a report of experimental work under taken to determine the question of growth fin length for so of the auto bone graft placed in the back to cause frations of the vertebre. It is presumed that if the prilt does not grow when placed and that ascer the spans column does grow as rouch as nine accepts the property of the

hash J B Laminectomy for Spinal Injury A : trains M Ger 914 8 7 314

By Surg Gynec. & Obst.
The author reports two cases of frecture of the
spine treated by lam nectomy

The first case was that of a man of 44 who had

fracture of the spine with paraplegia from the fumbar region down the pinth and tenth dorsal spines projecting rourkedly. An incision was made over the last five dorsal and first lumbar vertebrathe muscle and fascia were dissected away and the spinous processes cut nway with hope forcers level with the laminæ The spinal canal was completely exposed between the eighth and eleventh dorsal ver teore and was found to contain only fibrous strands the cord proper have g entirely disappeared. This operation was done eight months ufter the injury

The second patient a man of at had compl to flacerd paralysis of both legs loss of reflexes and a bed sore in the lurabar region following injury to the back About a neck after the injury inci ion was made over the tenth dorsal to the third lumbar vertehre and the spinal canal exposed. The cord was found to have been crushed at the level of the fower edge of the tenth dorsal. After aix months the patient was in better conditing

A CLUBE

Collins, J and Elsbert C.A., Giant Tumors of the Conus and Cauda Loning Am J M Sc 1914 cal u 493 By S rg Gynec & Obst. Tumors of the cauda equina and of the conus cause symptotas which are considered fairly pathog-

nomic although early the fesions are often mistaken for some other cond tinn The anthors ce port three such cases with two recoveries One was an endothelioms and the other two wece endothelial narcomata. In two of the cases the operation was carried out

in two stages so as to allow the tumor to be entruded froot the canal before it was reme ed

The important features of the elin cal histories of the patients were the following

- r A history of two or more years duration 2 Pain in the small of the back sooner or later extending down one and then the other extremity 3 Stiffness of the back in the lambar region
- 4 Increasing atifiness and weakness of the lower extreouties with loss I power of dorsal flexion of
- the foot SI ght disturbances of the bladder and rectnut. The patients were treated for sciatica for long

The important features of the clinical examination were

- r Rigidity of the lumbar vertebral column 2. Weakness and stuffeess of the dower ambr
- 3 Paralysis of the peroneal groups of muscles and sometimes of the tibialis anticus group

periods

- 4 Drop-foot nn one n both sides
- 5. Absence of Luce- and ankle serks Tenderness f the lower lumbar ap nes Irregular and unsymmetrical sensory dis
- turbances 8 Lumbar puncture was negative or yellow
- fluid which was of cerebrospinal fluid was with
 - Wassermann test and V ray negative

The typical findings at operation consisted of a large reddish brown not vascular tumor within the dura which filled up the entire lower part of the rossal canal surrounded the roots of the cauda equina and extended opward on to the comes with which it was not closely connected. The growth was not intimately connected with the inner surface

of the dura and could be easily freed When the patient was last examined his com Sainta weee Pain in the back and right thigh feeling of stiffness obstansta constipation un feeling when his boxels moved ELG VE CARY

Taubensching D : Operation with Recovery in a Case of Tumor of the Dorsal Cord (T men d It movelle dorants pérée et guerté] Res Sec mos à gent Buenon Aires 1913 xx1 100 By Journal de Chirurgie.

This tumor was the shape of an elongated oli e 27 mm long and 15 hroad Its lower pole was free the upper one being fixed to the fourth dorsal ver tebra It developed slowly in a young woman of as after a normal delivery the first symptom being a feeling of heaviness in the lower limbs which at the end of three months were almost completely paralaged All the trouble was localized in the lover hrabs but passive movements could be made readily There was ankle clonus on both sides Babuski s sign only on the right, there was abolition of sensation in a band around the thorax corresponding to the innervation of the sixth dorsal root With a diagnosis of entramedullary tumor operation was performed consuling of larameetomy of the second to the fifth dorsal verieb at A hard tumor was found to occupy the left two-thirds of the ertebral can'll and the cord was flattened against the right aide It was not adherent to the d in mater but was fixed to the bone by a pedicle which was easily Egsted There was no drainage Recovery was poeventful and on the tenth day the patient could walk easily The a asthesia of the thora also despreared Ifintological e amination of the specimen showed it to be a fibrosprcoma

SALV MERCADE

Alurralda M : Compression of the Dorsolumber Cord by a Fibrosarcoma Extipation (Com-presson de l' moelle dono-lombare par un fibro-sarrome Extripation) Res See mel agges Boguos Aires, 913 xm 735 By Journald Chirups

A man of 45 for three or for months had had croses of pain starting at the tenth dorsal vertebra enset of pain starting at the term to be seen the in-traditural toward both sides of the abdomen. Then he began in his e motor disturbance first in the left and the in the right leg. By the end of the fifth rooth the paralysis was complete and the pain had stopped. Retention of utine and faces developed then accontance. If the reflexes were exagged. sted there was a kle-clonus a d Babinski a mgn on both des there was foroucation parasthesis etc. Mesingomyelitis philis and spinal lesion were evidence A diagnosis was finally made of pressure on the lumbar or dorsolumber cord by an intramediages tumor

The patient was operated on by Isminectomy of the tenth to the twelfth dorsal vertebre. The opening had to be extend to include the niloth dorsal and first lumbar vertebre to order to remove the whole inmov which was estracted easily without

injuring the cord Suturing was door no drainage being used Death ensued on the fifteenth day

Histological examination of the tumor showed that it was a fibrosircom. The author can not explain the flaced paralysis after operation that succeeded the spastic paralysis but he is sure that the cord was not sectioned duning the operation.

Salva Mercané.

SURGERY OF THE NERVOUS SYSTEM

Juillen; Suture of the Terminal Branches of the Right Brachial Pierus for Complete Paralysia of the Upper Limb (Suture des branches termanlas de pierus brachal droit par paralysis complète du membre supéneure). Ede Jild à sei 1913 avvi, 60; By Journal de Chrurge

A mas of 35 had to he put in a straightucket and the volent and prolonged construction of the right arm brought about a patch of gangrene which increated and ducharged large framents of gagreoous ususe after that there was profuse hem orthages to what the pattern almost succumbed. The hamorrhages were fanily contribed the wound to the pattern of the pattern of the pattern of the large contribution of the pattern of the pattern of the large contribution of the pattern of the pattern of the large contribution of the pattern of the pattern of the large contribution of the pattern of th

A month later the patient returned He had regained strength and ate and alept well but his tight arm bung users no movement heing possible only the delicid was parsed. The arm was simply a faced mass of flesh surrounding the bone no anatomenal details of the mucles could be made out. Insensibility was complete. The skin was the seast of various trophue of sturbances.

Distais are g en of the electrical examination of the various muckes which showed that the field and of the forearm and hand were most involved particularly in the region supplied by the vilian It was decided to try freeing the compressed nerves or even saturing them of they were destroyed. A large incision which is used for legisting the sullary artery in the azilla was made and the mass was found which had heen felt through the skin It was formed of hard central tissue surreconds in It was formed of hard central tissue surreconds. the anilary vessels and all the nerve-cords of the heachal plexus. The elements were carefully disacted and it was found there were of rangeous of nerves some of them united by a sleeder filter which the author could not be sure was nerve-insue. The fragments helooged to the musculcutaneous median, plans toleroal custaneous and radial oerves the upper end of the internal cutaneous could not be found. The proximal sold datal each were sectioned sod brought together with fine sulk thread in a fine Reverdus needle. The lower end of the internal cutaneous was included un a little gap in a neighboring nerve that was helived to be the ultar.

The operation lasted an lour and was contine aby anteriered with by hemorthage from numerous about and the state of the st

DISCASES AND SURGERY OF THE SAIN FASCIA APPENDAGES

Oshims T The Fate of Homopisstic Skin Fiaps in Hum n Beings (Ube das Schickal des hombopla i ich i p i iteri H ilappens be m ll sche) Arch f b! Ca qua ca 440 By Zeatrabl I d gle Chr 1 Grenzeh

The suthor gives a review of the results of homoplastic transplantat o published in the hieratore some of which have been positive and some negative d in o reports a case of homoplastic transplantation in o human subject with the results of mi resconic zam nations made at stated intervals. The resoft shows that at the end of two weeks the appear ance of the flap is praetically normal and perfectly coalesced with the surrounding skin but that it gradually des and at the end of the forty-seventh d y h a completely disuntegrated

Laperiments wera then performed on rahbits two you g rahbits herog fastened together only the ped cle of the skin flap being left as a connection After seven duys the ped cle was cut immediately after which the flap showed the same pucture as the normal skin. On the for ith day there was a change

frecture of the spine with paraplegia from the lumber region done the muth and tenth dorsal spines projecting markedly. An incision was made over the last five dorsal and first lumbar vertebra the muscle and fascia were dissected away and the spiaous processes cut away with bone forceps level with the laming. The spinal canal was completely exposed between the eighth and eleventh dorsal ver tehræ and was found to contsia only fibrous strands the cord proper having entirely disappeared. This operatino was dose eight months after the injury

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W A CLUBE

Colliss J and Eleberg. C. A t Gtant Tumors of the Conus and Cauda Equina Am J M Sc 1914 By Surg Gynec & Obst. CXIVIL 493

Tumors of the canda equina and of the conna cause symptoms which are considered fairly pathog nomic although early the lesions are often mistakes for some other condition. The authors renort three such cases with two recoveries One was an endothelioms and the other two were endothelial

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- 7 Irregular and unsymmetrical sensory dis turbances
- 8 Lumbar puncture was occative o vellow fluid which was not cerebrosmaal fluid was with drawn
 - a Wassermana test and Y ray negative.

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Taubenschlag, D: Operation with Recovery in a Case of Tumor of the Dorsal Cord (Tumeur de la moelle dorsale opérée et guerié) Res Sec med argent Buenos A res 9 3 xxx tout
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This tumor was the shape of an elongated olive 27 mm long and 15 hroad. Its lower pole was free the upper one being fixed to the fourth dorsal ver tebra It developed slowly in a young woman of 22 Siter a normal delivery the first symptom being a feeling of heaviness in the lower limbs, which st the end of three months were almost completely paral yzed. All the trouble was localized in the lower limbs but passive movements could be made readily There was spile-clonus oo both sides, Babinshis sign only on the right, there was sholition of sensa-tion to a hand around the thorax corresponding to the innervation of the sixth dorsal root With a di gnosis of extramedulary tumor operation was performed consisting of immeetomy of the second to the fifth dorsal vertebra. A hard innor was found to occupy the feft two-thirds of the vertebral canal and the cord was fistened against the right sade It was out adherent to the d ra mater but was fixed to the bone by a pedicle which was easily ligated There was no drainage Recovery was uneventful and on the tenth day the patient could walk easily The anasthesia of the thorax also disappeared. Histological e amiaation of the specimes showed it to be a fibrosarcoma SALVA MERCAPÉ

Alurraid M: Compression of the Dorsolumber Cord by a Fibresarcoms Extripation (Com-presson de la moelle dorso-londaire pa un obre-sarcome Extripation) Rev Sec med gent Buenos Aires, 29 3 xm 735 By Journal de Chirurgie

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SURGERY OF THE NERVOUS SYSTEM

Jufilen Suture of the Terminal Branches of the Right Brachial Pierus for Complete Parstynia of the Upper Limb (Suture des branches terminales du plexus brachial droit par paralysee complete da membre péneurs) Lèbe Jid d'ased 913 By Journal de Chirurgie ZZVII GOS

A man of 35 had to be put in a straight jacket and the violent and prolonged constriction of the right arm brought about a patch of gangrene which ulcereted and discherged lerge fragments of gao grenous tissoe, after that there was profuse hem orrhages to which the patient almost succumbed The hamorrhages were finally controlled the wound healed and the patient was discharged in a satisfac tory condition

A month later the patient returned He had regained strength and are and slept well but his right arm hung mert no movement heing possible only the deltoid was spared. The arm was samply a faceud mass of fiesh surrounding the bone no anatomical details of the muscles could be made out Insensibility was complete. The skin was the seat of various troubue disturbances

Details are given of the electrical examination of the various muscles which showed that the flexors of the forearm and hand were most involved particularly in the region supplied by the ulnar It was decided to try freeing the compressed nerves or even suturing them if they were destroyed A targe incision which is used for heat ne the axillary artery in the axilla, was made and the mass was fou d which had been fast through the skip It was formed of herd cicatricial tissue surrounding

the azillary vessels and all the nerve-cords of the brachal plexus The elements were carafully dissected and it was found there were o fragments of nerves some of them united by a slender fiber which the author could not he aure was nerve-tissue The fragments helonged to the musculocutaneous median ulnar internal cutaneous, and radial narves the upper end of the internal cutaneous could not he found The promptal and distal ends were sectioned and brought together with fine sill, thread in a fine Reverdin needle. The lower end of the internal cutangous was included in a little gap in a

neighboring nerve that was believed to be the ulnar The operation lasted an bour and was consider ably interfered with hy hamorrhage from numerous abnormally developed veins the axillary artery ausonmany newspord venus the annual account was completely obliterated Operative recovery was perfect. Late results were as follows. In one mouth there was no appreciable change Four mouths later normal mothity had made great progress movements of extension and flexion were possible the muscles could be made out under the skin which had reguned its normal color Sensation was still dulled Six months leter motion was complete except in the muscles of the hand the arm was practically as well daveloped as the left one and sensation had returned completely Fifteen months after the first operation the hand hed become normal and the fingers had regained motion except the thumb He could move his arm in all directions and it was almost as strong as the other The case therefore may be called a recovery 1 DOMONT

DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Oshima T: The Fats of Homoplastia Skin Flaps In Human Beings (Ube das Schuksal des homoplastich t plant trien II all ppens beim 31 sche l deck f bl Ck tota tim 440 By Zentzubl i d gbt Chur u Grenageh

The author gives a review of the results of homoplastic transplant tion published in the literature some of which ha a been positive a d some negative nd than reports a case of homoplastic transplants. tion n a human subject with the results of m cro scoruc exam nations made at stated intervals. The result shows that at the end of two weeks the appear ance of the flap is practically normal and perfectly coalesced with the surround galin, but that it gradually dies and at the and of the forty-seventh day has completely disintegrated

Experiments were then performed on rabbits two young rabh ts being fastaned together only the pedicle of the sim flap being left as a connection After seven days the pedicle was cut immediately after which the flap showed the same picture as the normal skin On the fourth day there was a change in the tissue the meshes of the alin tissue were crowded with red blood-cells and there was marked distention of the capillaries. It ended in dry necrous of the flap

Trom his experiments the author concludes that the homoplastic flap does not take and gives three possible reasons for this. The first is the opinion held by Ruhhert Ehrlich Schöne and others as to the difficulty of assimilating foreign albumm. The second is the primary touc effect of the basic planes of the host on the transplant (Lock). Schoel And third, the immunity reaction which may be regarded as a secondary anaphylactic reaction (con Dungern Ehrlich, and others). Microscopic picture and explanations are added to the work.

Vorschütz

MISCELLANDOUS

CLINICAL ENTITIES—TUMORS, ULCERS, ABSCESSES, ETC

Grawitz P Report on Grawitz a Results in tha Study of Celt Formation by the Method of Harrison and Carrel (Abbau and E taindung des Hertzkinppengew be Verlag Richard Schotta Brin, 924 By S. g Gync & Obst

Twenty five years ago Grawitz of Greifswald, took issue with the exatting prevalent dogma and proclaimed that the praceries of the human hearg were detreatives, not of the blood but of tassical which were detreatives, not of the blood but of tassical which were inhereted in consequence of a non-bloom that it consequence of the incomment of the process of the proce

awaked as it were
For the varyone tissue; ah ove all for the comea in
particular Grawitz and his pupils have long unce
demonstrated tha origin of the wadering cells
from the fixed cells of the tissue. The majority of
pathologists has e looked askared at the doctrue
and disputed its correctuess saying that Grawitz
would really thereby abundon the issue of virebow

owns collide a collide and he cells strong from dead intercellular substance. The discovery of Harrison and Burrows their insuc-citic could he encouraged to prodiestate substant the body stimulated Grawitz in conjunction with his pupils Schieftle a of Unity to again take up the question of the origin of the annolessay colls in the corner and heart values. By the employed the prodient of the continuous contraction of the contraction of continuous with leucocytes or to maintain that they have wandered out from the blood for both the plasma and lide can be secured acrupulously free from leucocytes.

room retrockyres to f the cultures of the arctic white in recent time different types of issue disorganization (Gewebnahhaues) were observed. The erelat cell issue no which in consequence of the culture root the mass of the tissue has 9 Cownta Mander-Richales of the Harbant, Dorsde med Richards et has all the control of the culture root in the mass of the tissue has 9 Cownta well.

Research et has all the Claracteristics of the control medium of the control of the

prohierated, consists of atellate sheped cells. The nuclei of these have increased amitotically and secured the material first the body of their promplasm and its processes from the clastic fibers.

2 The Kirscheaulin type is represented by cells, which in contest in those of type I are large, polygonal or swollen and vacuolated and have also divided amstolically and to some extent mutoically. These cells appear to have secured their protoplams through the contribution of both white and elastic through the contribution of both white and elastic through the contribution of both white and elastic through the contribution of the probably ansen from the transformed clastic, and the

3 To the third type the hastin of the valve is replaced by issue constaining chiefy or almost criticatedy of small motionicies; round cells, with clear surrounding area. Many of these monounders clements have a elear portoplasmic body which has taken the close in saided! Scheem these cells les multimidented gant cells reattered about much as in symbility privalation issue. All of these much cells has earness from the ground enbitance through the resulting much produced to the continuation.

its transformation into protoplasm
I contrast to the third type a fourth type of
tissue may arise in which the small round cells with
simple or fragmented nucleus derive their protoplasm from the clastic there alone

These experiments of Gravits carried out by means of the new culture methods have opened up new nutlooks at resther given new points of view with respect to the pormal histology and behavior of taste as well as their pathological t ansiomations. The ground substance is not a dead inter-cillular matter but a most active one capable of train former stell to the above of the capable of the grammatical to the above called

come are ground superance is not a credi metric cellular metric but amost activence expande of train forming itself into the protoplasm of the new cells recovered to the contract of the cont

Balfour D C. Th Care of Surgical Patientslief Re 9 4 INNY 378

Re Surg Gyner, & Obst.

The anthor discusses the anheet under lour hadings (1) Cars before operation (2) cars during oper tion (3) post-operative treatment and (4) advice to patients

- z Detailed physical examination and careful recording of the findings is imperative. The actual preparation in the large number of patients requires of them but little deviation from their usual mode of hving up to the afternoon of the day before operation In emergency cases the preliminary treatment is necessarily abbreviated In special groups of cases the risk of operation is greatly lessened by appropriate preliminary treatment Among these special types are mentioned exoph thalmie goiter toxic non-exophthalmic goiter disease of the prostate severe anamias due to hamorthage from uterine fibroids bleeding ulcers of the stomach and duodenum deeply jaundiced patients emacasted patients particularly gastric cases with obstruction of the pylorus certain cases with acute infections etc. The use of alkaloids hefore opera tion should he limited and probably confined to
- morphine and atropane 2 Ether dimunstered through an open mask by a competent amenthetia is behieved to the the most astilactory anesthetic for the majority of cases. Ether by the intratracheal method is extremely astifactory for certain types of cases. A maintain assistance of the certain types of cases. A maintain assistance of the certain types of cases. A maintain assistance with a certain the sufferon a work. Carried emploration, as not unduly prolonged operation maintaining bodily best as little manipulation as possible no more retraction of wound than is necessary to expose the parts accurate harmostances and a careful toiled to complete the operation, are all factors in desemning the possibilities of post-operative cross several compositions of post-operative cross.
- 3 In the after care as in the pre-operative care particular attention should be paid to the special types of cases and to the symptoms and complications as they arise
- 4 Patients should be instructed as to caring for themselves and as to what may be expected in the way of symptoms after being dismissed from the hospital Post-operative treatment of suspecil patients as regards judicious living should continue for several months according to the type of the operation.

SERA, VACCINES AND FERMENTS

Jobling J W and Petersen W A Study of the Ferments and Ferment Inhibiting Substances in Tuberculou Caseous M terial. J Exp Hed 9 4 MA, 385 By Surg Cynec & Ch t

The results of this study appear to have a direct bearing on the development of caseation in tuber culosis. Caseation in tuberculosis is a form of congulation necrosis in which the dead issues rarely undergo autobysis except as a result of secondary presenting a smaller condition. In other cases of congulation necrosis the dead issues are so a nemoved by means of autobysis and phagocytous

It appeared therefore to the authors that anb-

stances heving the property of preventing autolysis must be present in syphilitic and tuberculous

After a long and careful senes of experiments the authors feel warranted in drewing the following conclusions

5 Caseous matter obtained from lymph glands which have not become secondarily infected con tains aubstances which inhibit enzyme activity. These substances consist chiefly of soaps of the unterested fitter acts.

saturated fatty acids

2 The inhibiting substances are present in relatively smaller amounts when the caseous mat ter hes become secondarily infected. This is probably due to the dilution and washing out of the soars.

3 Ferments are either entirely absent or present in very small amounts unless the caseous matter has become secondarily injected

4 Caseous material from the lungs contains smaller amounts of the mibiting substances. This may be due to the acuteness of the process which does not permit an accumulation of the soaps of the the ferments of the the form.

5 Ferments are present in caseous pneumoma. In the whole emulsion the ferments are less active in an altainhe than in an acid reaction but removal of the scape shows thet those active in an alkahne.

reaction are also present in considerable amounts
6 The previous treatment with todane of
easeous matter from both lymph glands and lungs
increases the action of the trypsin

GEORGE E BRILBY

BLOOD

Dejouany Transfusion of Blood Its Principles Indications, and Technique (L transfuson du sang Ses principes, ses indications as technique) Arch d' seld et pharm mil Par 19 4 lavy, 41 By Journal de Charupp

The author gives a very clear and methodical feature of the present knowledge of trensission. He discusses particularly its application in war surgery and behaves that military surgeous should have at their disposal the necessary instruments for practicing transitission. A deeper knowledge of the blood reactions now enables surgeous to avoid the acci

 permanent improvement. There have been no results in cancer or infectious conditions but success has repaid the few attempts at transfusion in certain tuxemus such as carbon monoxide intesication pellagra and the permicious vomiting of pregnancy It has been tried in typhold fever but has hardly

passed the experimental stage The author discusses in detail the technique by the two methods of direct anastomosis by means of anture or special cannulas (Carrel Crile Lambert Guilot ond Dehelley) and indirect onestomosis (Tuffier) by means of paraffined silver tobes He studies its effects and mode of action and believes that while the indications should not be extended unreasonably it should hold the important place for surgical practice that is justified by its great clinical PRESER MOCOUNT

BLOOD AND LYMPH VESSELS

Glaser V Branches of the Nerves within the ser vi branches in the Acerves within the Vessel Willa (Uber die Acervesversweigungen narrhalb der Gelfassen d) Deutsche Zit b f Versenkeilt 2914 l. 305 By Zentralbi I d ges Ch u Geenegeh

Miller and Glaser formeely denied the presence of nerve-centers in the vessel walls and also of networks of nerve-fibers, especially in the deeper layers. In later investigations, by means of a stalining method recommended by Kreibich they succeeded in demonstrating nerve fibers in the

large medium and small vessels

The capillaries were accompanied by and wound about with very fine nerves the smaller afteries and years were also surrounded spirally with a rather large nerve and the larger vessels coots; ed besidee the nerve-bundles demmatrable in the surround ing connective tissue a network of nerves arranged in two layers in the adventitis and muscularis with some fibere penetreting into the intima End hulbs could also be demonstrated in the vessel

walls The nerve network and end bulbs are acted upon by certain drugs which exercise their effect oo the size of the vessels through a local peripheral action Ganghon-cells can be found only in the superficial layers of the adventitia of the arteries of organs they are lacking to the deeper layers

RECTROLOGY

Clun t, J: Histological Changes Produced by X Rays on Animal Tissues Destructive Power and Stimulating Power of the X-Rays J Ri tge Sec 9 4 By Surg Gynec & Obst.

Clunet has confirmed as d d Regaud and Blanc the pioneer French hist logical work upon the de-structive action of the \ rays carried out by Bergome a d Tribondeau on the testes of rats A testicle exposed in the \ rays filtered so as not to h rm the ski shows n cell-changes nntil twelve to f urteen days have passed when th ammature

crils of the spermatic line are no longer found for the X rays have caused these cells to maturate abnormally fast and only nr almost only mature spermatozoa are to be frond A mooth later not one cell of the spermatic line remains

The rays do not cause indiscriminate destruction of tissue but show a selective action especially for cells that divide most quickly as the cells of a spermatic line and this is the basis of the use of rays in radiothemps. The V rays modify cell evolution causing the mature cells in evolve more quickly than pormal, and the immstare cells to evolve before dividing so that this particular Lind is soon exhausted. The process is exactly the same in the slin In an experimental acute \ tay burn of a rabbit s skin no th seventh day no change was seen in the connective-tissue cells but evolution of all of the majorghuan cell unto horn cells except for one thin basal layer Smaller doses over a long time cause atrophy of the epiderm and sclerosis of the dermis. In chronic radiodermatitis the skin is much thinner then normal, the dermis is extremely sclerotic without any papille and the epidermis is

reduced to three or four cell lavers. In a severe radiodermatitis of sonal character the hair was preserved at the pemphery near the center the skin was thin and glossy and without hair theo followed a sone of ulceration while at the center the tissue was coursely necrotic. Histologically the zone of ulceration showed destruction of the middle part of the corpus mucosum of Malpight at the center the destruction was complete and the dermis was much thickened the easels showed very thick walls and narrow lumin 1 e endo and pen

vasculatitis

He described two cases to detail to show the destructive action on carcinomata. In an stypical en theboma of the skin which hist logically resembled rodent ulcer ten days after the first dose the cells became ery much enlarged and there were more Laryolanetic changes Three weeks after beginning tre tment th cells were difficult to distinguish from one another had undergone Lentini zation and later these horay parts were invaded and destroyed by connective tissue blood vessels, and leucocytes When the patient seemed almost e tirely healed, hist logical examination showed the mass to be almost eatirely replaced by connective tasue in which were some gia t cells the last remans of the epithelial cells and some dark cub c cells epithelial cells that were not killed but were a sort of lethargic condition which may splain subsequent recurrences in patients apparently

A rodent nicer gs en one very large dose at the center, without a filtee showed histologically at th end of zz days, no keretunization at the pemphery but keratimization progressively increasing from the periphery toward the ee ter where there remained no trece of epith hal cells - only connective tusue These same changes were see in proceeding rom the depth to the surface

DAVID R. HOWEY

The stumulating or hypectrophic action of the X reys can be seen on subpects submitted to very minute doses over long periods of time as a chronic hypertrophic radiodermatists later often developing into malignant tumors in which can be seen proceeding from the normal sian toward the center in order first, simple hyperplasia then papilloms with normous horn layer finally innestrous expectations of the cells of the content of the cells of the c

"Climet has experimentally produced hypertrophy on rats and by repeated burs a malignant tumor which invaded the abdomen and histologically had the structure of a spundle-cell ascroma. There were no metastases. The development of experimental X ray cancer is generally admitted in France. In the ret sarcoma develops, not epitheloma however the most common slat intune in man is epithelioma while in the rat it is ascrome. Then for the common slat intune is man is epithelioma while in the experimental work on the rat the exposures are more concentrated. Climet has begin experiments on dops and cats with small dooss to be continued over a long period of time to see it he can produce cytheloma.

In the discussion the author said he failed in attempts to transplant his first case of experimental \(\text{\text{A}} \) ray cancer of the rat hut in a second case he succeeded in 40 per cost of trensplants in getting the tumor to take in very young animals and trensplanting it to larger animals and from them to still larger ones. Day to C Strack

Stern S Tha Present Status of the Non Operative Treatment of Benign and Malignant Growths as Seen at the Clinica Abroad Med Rec. 9 4

lxxx 615 By Surg Gynec & Obst From observation of the rontgen technique as practiced at the Freiburg Clanic and its modifications as seen in other places and the radium or

mesothorium technique of various operators the author concludes

1 The extreme enthusiasm displayed by the men at the Congress at Halle was entirely too premature and while remarkable results are accomplashed by rad o active aulistances in the treat me t of cancer the matte is pu ely in the experi mental stage.

2 Even in the short time since the Congress the optimism has cooled and men who made positive atatements are becoming more guarded. 3 Only years of work will solve the complicated question of dosage fifters and other technique 4. The treatment with radio-active substances has shown sufficient results to justify the surgeon in discontinuing operations in cases of auriface car choma and of mucous membranes easily reached in patients who can be kept under long observation. In all other cases, operation followed by raying carried out systematically is still the best method 5. There is prectically no difference noticeable in the action of mesothorum and that of radium

Beebe & P and Van Alstyne E V Treatment of Transplantable Rat Sarcoma by Fulguration S t Gy & b' Obs! 914, xvin, 438 By Surg Gynec & Obst

The purpose of these experiments was to determine by the De Keating Hart apparatus the effects of fulguretion upon normal tissues and upon transplantable sarcoma in rets Fulguration over the heart and large nerve trunks caused no injurious effects where applied directly to one vagus no serious results followed but when both yazz were exposed to the spark there was a severe reaction followed by death of the animal The local reaction was an intense ordems and infiltration of the tissues. Only very small tumors could be cured by the spark In some cases the small tumors showed inhibition of growth without cure If an area of normal akin was inigurated and a tumor grait placed in this area immediately afterwards at failed to grow but if the local reaction consequent upon the fulguration was allowed to subside a process which required from eight to ten days before the graft was implant ed there was no failure to grow undicating that the inhibition in the former case was due to the inten atty of the reaction rether then to any permanent nutritional change in the fulgurated area

Esignation of a tumor graft before planing and serious injury to the tasse only so per cards a serious injury to the tasse only so per cards a serious injury to the tasse only so per card as the control of the compared to the control of the compared to the control of the

GYNECOLOGY

UTERUS

Weibel Wr I at Recurrences after the Radical Abdominal Operation for Caccinoma of the Uterua (Cher Spatre 1 e nich der erweiterten ale domi alen Operation bei Carcinoma I ten) 1 tel f

Gynat rorg ni rar By Ze tralbi. I d ges Gynak Geb rt h a.d. Crenngeb.

Very few cases of late tecurrence of carcinoma of the uterus are known as most of the cases are not followed longer thro five years It is lateresting therefore to follow the cases esperially those operated on abdominally for a linger time to determine whether there is ju til cation for setting a five year limit for observation Weibel d I this ta too cases of carcinoma of the certia to had cecurrence of carrinoma altet 6 to 8 years as I lo one ease a curcoma of the foot appeared after five and one half years

The reexpeasance of a carcinoma occurred 6 times in the siath yeer 5 times to the seventh year and truce la the seventh to the eighth year futy per ceat of all recurrences take place in the first year, 25 per cent in the second year at 5 in the third year and in the following yeers up to the seventh about 3.4 per cent also from the fourth seat the percentage constantly decreases, an I after the end of the seventh year recurrences are never sees. To be absolutely certain therefore observa-tion would have to be extended to the seventh gest but this I very diffic it and for all practical purposes observation for three years is safficient Th author argues therefore for a redu tion of the five year penod to three at least for the radical abriominal operation

Richter J: Th. R a nevatian of the Muroas Membrage of th. Uterus tree Curettag. (Aur. Regeners on d. r. Uteruschicus). I mich A. och b-

2) C & R Inch re 4 vas 47
By Zentralbi I d. ges. Gynak u, iseburtah a d Grenageh.

The author discusses the regeneration of the mucous membran of the uterus altee curett ge fle di ide his work loto two parts. In the first he discu ses the results f his microscopic earm oution ol 18 hum n ut n n the second h s e perimenta with our itag and rege er ti nol the mucous m m d gre t sim I nty In the re brane in dogs lie f

a lt in the t Th eff et Itlee rett a th mucous membrao sames according to whether the curettage is saper fict lor deep 1 pern tal rett ge the greater or lesser remn ots I the mucou membrace I rm the ha is for a ret natruetso I the lost tist e The new I rm tion I th glas I takes place chiefly through the growing out I the tubes of th gian is

that have remained deep down from the cells of which the sarface epsthelium is restored, by the fith day the latter has completely covered the cu tetted curface

On deep curettage to the fourth week there is a this layer of young ensucctive tusue rich in blood arssels in which no glands can be demonstrated The tiseue is overgrown with cells which ongreate from the epitheliam of the neighboring parts are a few depressions in the covering ep theham which the auth e thinks may be regarded as the be genning of gland formation.

Thelibaber &r Th C uses and Treatme t 1 Idiopathie Hamorrhag and Discharge from the Ut rus th Unschen vi d Brhandlung der escent film Literabl t gen al ds A ? ves)
A & f Gyesk rois cul by
By Zentralik I d. gen Gynik a Geburish a. d. Grenzyeb

The author dem nursted in too; that the thick ness of the murpus membrane of the uterus sanes bef re during and after men trusts a lie found individual varietions in the form and nomber of the gian is (1901) an I riams priority o er fi tschmaoo does not depend on the premeasureal period pre-mensional gland "often being found at all rual gland " often being found at other peri Albrecht Sehickele k lier and flenk I are cited in copport of this statement. If ypertrophic glands were found in 52 per cent [all cases, hyper

pistuc nes lo 6r per cent Lterrremoved by operation received as p tho logical fle regards a normal and the uteri remove from corpses those of new born tofsots and old women and mulous membrage removed from normal in lividual to two places in the mucous membrane are al ke the only constant thing about the premenstrual murou membr ne being the varia tion in form the hyperxmia and the ordema. He gives fg res a 1 hyperplasia and hypertrophy of glr is in all the periods of the cycle. He gives oo d finition of hs wn conception of the question In menorrhag a there is always hypermus of the There is hemorrhage to tubal diseases even when the overy remained formy in the uterus is extrem ly hyperam In many women there is r creased hamourh ge from the uterus o the prechimacteric The ut ru erretile i he the pen s or the el r n but th blood content decreases more slowly II cumpares the menstrusi bleed ng to a spo g the I fler it is the greater the bleed og Th stre gib of the m sele contractions fluences th t pp ge of th bleeds g Dege ration of the connect e tis ue and hyperem re the two factors that mduce the hamorrh ge 1 elear duch rge

is caused by hypersecretion a yellow one by gonor rhom. The glands of the body of the uterus secrete daily

A short discussion of treatment is given. Curettage is effective many times also cornosives. Styptics also have a good effect in well as systematicscarification of the os—30 per cent formalin is preferred. Rontgen treatment renders the thickened and hyperemic uterus small and aniemic and causes creation of the bleeding.

Focks D gitalls in Harmorrhage of the Uterua (Deptals bes Uterusbi t gen) Therap d Gegens 9 4 1 68 By Zentralbi i d ges Gynak u Geburish 2 d Grenageb

Focks has again taken up the digitals treatment for uterne harmorings. It has the least effect in the monotonic of the state of the sta

Fock caplains the effect as follows: Physiological mensituation is the effect of venous stass if this stass is increased in microsity it is the expression of a local or general disturbance of the circulation which causes severer bleeding. There is seldom real heart disease. Details of the method of treatment are given Digitalis treatment also seems to give good results in churacteric bleeding. Bezzz

Bell W B : The Canses of the Non Congulability of Normal Menstrual Blood and of Pathological Clotting J P the & Bedderel q 4 xc 40 By Surg Gynec & Obst

The nutbor has carried out a sense of experimenta in order to determine why menstrual blood does not clot

Ilia first experiment proved that an equal quantity of mensitur libod will not prevent ordinary blood from clotting. The second experiment as to whether an et rat of the endometrum prevents the coagulat on ol normal blood was negative as clotting occur red likeuse an extract of the whole uteru caused clott ng. The lourth experiment was to prove whether the endometrum had a selective to prove whether the endometrum had a selective abon in gativ. The lisst experiment was to show that unantital fluid contain nothing that with at unantital fluid contain nothing that of the destroy the first increment of norm 1 blood. A peril 1 los occur red also is the experiment.

The author h s printed 2 tables one where the in nstru 1 flood did not clot and one in which it did lot 1 from there he w unable to draw any defi it inclusions. All the experiments per form 1 itd not les up the etvology of why men strual blood does not clot.

Elexic Car.

Schickele G The Relation of Menatruntion to General and Organic Diseases (Dr. Benehungen der Menatruntion zu allgemeinen und organischen Erkrankungen) Erg bis d sins Med w Assider beilt o z. zu 1865.

keilk o 3 zu 385 By Zentralbi f d ges. Gynak u Geburtsh s d Grenzgeb

The author deceases only the nature of meastrus tion as relevant ne secont and organic diseases will be published later. His work is based on a critical study of the herature of recent years and extensive with littleman and Adler's vene as to the regular changes in the uterior mucous membrene. In all cases there is a premensirial distantion of the capillanes and vessels and almost always an ordematous saturation of the mucous membrane while the other changes, especially in the glands are not so uniform.

There is a detailed report of the histo logical findings in the rut of animals the nualogy between it and buman menstrustion must be taken with a grain of salt. The question of the time relation between ovulation and menstruction is still unsettled. Certain changes described in the mucous membrane and corpus luteum vary within wide hmits and there are numerous exceptions He discusses the different theories as to the lack of congulability of menstrual blood. There is no change in the congulation time of the blood in the body during menstruction and no uniform effect on the hamoglobin content and the number of erythrocytes There is frequently a slight increase in leucocytes and a slight lymphocytosis but this is not nationm He rejects Mary Jacobs a theory of a regular monthly wavelike movement of all the woman a ble functious

A study of the statutual maternal and careful experiments of his own ha e shown Schickele that there is no premenstrual rate or intermential fail in the pride temperature boold pressure muscle and the price of the state of the

The value of rutting and mentatrium on less in the preparation of the micros membrene of the interest for pregancy. Its appearance at dependent on the presence of the owners. The growing libil is secretes substances that by assomet r stimulation and influence on the congula bility of the shood circulating in the titer ne nurcous membrane call forth changes me the uterus the different organs and the while organism As soon as a suffic nt qui tuy of these substances he she produced to bring about the mannium of changes in the viseds mentaration became Rut 14

Dotta

Von Gmil Er Treatment of Meno- and Metror rhagia not Caused by the Glimacterie with Roorigen Raya (De Behand ng der achthhuso-temschen M no- und Metrorhagen mit rontgenstrahl-en) Studienter p. 1914 410 By Zentralbi i d. gen. Gynak u. Geburish s. d. Greangeb.

This is a report of 36 completed cases of uterine hamarrhage not caused by the climacteric, in wamen from rs yeare of age up There was recovery in 8s per cent there being fewer recurrences after inten sive trestment than after small doses. The author hel eves there need he no lest of the impregnation of injured ava sod the development of mallarmed or roferior children because such a thing has never been known to occur in mao All hamorrhages of ovariso urigio furnish an Indication for routgen treatment

Guthria J R. and Whitets W R : Simple Verbod of Fising the Uterus in Procidentia and Pro-

lapsus Iowe M J gr4 ss 473

By Surg Gyace & Obst. The authors claim the following advantages for their method of operation in fising the uterus in procedentes and profspace

(r) Simplicity of technique (a) uniformly good results and (3) It is a bloodless operation

The disadvantage is that it is necessary to sterdize the patient before the mecopause although the meastrual function oced not be interfered with The

feehoroue is as follows A three of four inch incision is made in the median I oe or over the right rectus muscle down to the sym physis pubis. The incision is carned down and through the pentoneum. The uterus is grasped brought up rate the wound and into antedesion If the princot is past the menopause and there is oo disease of the adness th pentoneum is immediately closed beginning at the upper end It is sewed to the posterior surface of the uterus where the lower end of the suture line join it One or two stitches on either side unite the peritoneum and uterus, similar to the Krocher fixation The round and broad ligaments and tubes are partly estrepentoneal but mostly intrapentaneal if the incision has been made in the median line the heaths of the rectr muscles are poened and the muscles sutured together behind the uterus thus making a bed on which it rests While traction is made un the nterus to draw it up out of the pel is t is pressed heek on the rects muscles and the anterior fascia closed These sutures also enter the uterme substance. The skra is closed in the usual manner and what looked like a protuberence in the abdominal wall after sutare

The ent e uperatio rarely takes more than fifteen numutes. It not unly corrects prolapse of the oterus but In most cases cystocele and rectocele are cured as well A y degree of prolapsus may be treated in this manner I some cases only the fundus of the uterus can be transpisated while in complets prolapsur almost the whole body may be brought out sids of the rect muscles EDW ED L CORNELL

of the muscl s, complet ly disappears

Nyulasy A. J Looping the Cardinal Ligaments in Uterina Prolapse As S g Phila re 4 lst 52r By Surg Gynec. & Obst.

The author states, The multiplinity of operative procedures for prolapsus uteri indicatre to some extent the uncertainty of opinion as to the essential cause of the condition" Some lujury has talen place and the uterine supports injured hence repair ing of the rajury and replacing of the oterus is ne-CESSARY

The oterine supports are (r) the pelvie diaphragm and (s) the ligaments His believes the cardinal lighments, in the broad ligaments are the real run-

The cardical Igaments commonly arise by three more or less definite heads from each side of the uterus the middle head corresponding to the posi tion of the utenne artery the interior head being attached to the upper surface of the lateral vagina forms and the superior bead being attached a l tile above the median bead. The three heads of the cardinal hyaments unite ingether to form a baod about half an inch or more to width which passes outward f r over an inch between layers of the broad beament The cardinal ligament, which up to this is largely muscular now tends to change

its character sen ling off fibrous bands, lanwise to

the wall of the pelvis and other parts - some of there

bands et is to be poted, being inverted lote the posterolateral wall of the bladder and others pass og

up over the macs After locating the wreter the cardinal ligament may be directed from the posterior peritoneal layer of the broad hyameot and thus completely isolated I fooling the ligament up on the finger it is found to be elastic and of con sidereble attempth and obviously quite capable of adequately sapporting the uterus in the pelvis.

The technique consusts of suprep be abdom not certified by the pelvis. The technique consusts of suprep be abdom not certified by the technique consusts of suprep be abdom to the technique consusts of suprep be abdom and the technique consusts of the technique technique the technique te

the posteror layer of broad ligament and looped up on the anterior wall of the ut rus a d sutured with salk to the uterus A loop is made n each round ligament t correct retroversion and the wound in the pentoneum is closed by catgut utures

Five cases are reported - all successful In one the plastic a rk was done first in four the plastic work was do e two weeks later

The operat on should not be lightly undertaken Its striking advant ges are

Pract cal absence of harmorrhage

s Excellent remediate anatomical result and almost certain good permanent effect
3 C mpr stive absence of post-operative shock

4 Absence of raw surfaces C I STANK

Crossen 16 S. Conservative Operative Treatment of Long-Standing inversion of the Uterus. J 4m M dar 19 4 18 106

By Surg Gynec, & Obst

The author opens the article by briefly utlining the history of the operations recommended for inversion of the uterus. He reports a case occurring in a young women 23 years of age in whom the con dition had been present for nearly a year Spinelli method was followed tube drainage being employed postenorly and rubber tissue anterior Fullowing operation the patient had considerable fever which gradually subsided in the course of ten days There was no perstoneal involvement Men struction returned the second month after operation and has been regular since The patient a general health is good and a recent examination showed the uterus and other pelvic organs normal LDEASD L. CONNELL.

Van Teutem L. A : Treatment of Retroflexed Uterus (Behandlung de Retroflexo uten) saler! Tijd h terlesh ea gwee 1014 u

By Zentralbi. L. d. ges Gyask u Geburtsh a. d. Greenageh. A report is given of 1364 patients treated at the

Leyden chine for retrofletion from July 1903 to July 1912 Of these 344 were operated no July 1912 Of these 344 were operated no 317 by the Alexander Adams operating 8 by the Dolens 14 by sentrofisation 15 by laparotomy and in 13 total exturpation was performed on account of com plications Of the room not operated on any were treated orthopedically with pessaries in 27 the uterus was replaced 586 were not treated The average time of the Alexander Adams opera

tion in 34 cases was 15 minutes In 3 5 per cent of the cases to days after the operation the uterus was again retroflexed Later Objective examina tion was not made but subjectively 153 of the patients 70 per cent declared themselves cured, about re per cent not cured

Of any patients, 4 had acquired bernia 99 became pregnant after the operation 46 had no symptoms Of the cases in which the Duléns operation was

performed nne was not cured one was improved a had recurrence and there was no report from the other a cases After ventrofixation only 20 per cent

were cured

Teutem concludes that ventrofization vaginal fixation and the Doléris operation abould be performed as seldom as possible and that the be t results are obtained by the Alexander Adams nperation and pessary treatment. In married wannen the Mexander Adviss operation is indicated if the pessary treatment is unsuccessful or if the patients themselves wish it There was no mortality after the Alexander Adams operations STRAIL

It R A Case of Infantil Uterus and end gra with Resutt of Treatment. J Elhott It R Am M A 014 lm 108 By Surg Gynec, & Obst.

Elhott reports a case of infantile aterus and appendages with irregular and acanty men trual flow reested by abdominal massage and the extract of luteum that became pregnant after seven months treatment Pregnancy proceeded in a perfectly

normal mannet and the patient was delivered of a normal full term bahy weighing 6 pounds and s nunces Both the mother and baby made an un eventful and perfect recovery

HARVEY B MATTHEWS

Braude I Perforation of the Uterus Tearing Off and I Performing of the Dietus Performing of the Appendix and Multiple Performing of the Intestins Cured by Operation (Derusperfo-ration and Abrussen des W milottenters u multiplem perionerenden Darmverletungen Aper-tur gehell). Zentr Bil. I Gradit 1913 xxxvi 37; tur gehell). Zentr Bil. I Gradit 1913 xxxvi 37; By Zentralbl. f d ges Gynak u Geburtsh s d. Grenzgeb.

Braude describes a case in which dressing forceps were used in delivering a mucarriage at four months and in which the uterps was perforeted the appendix toro nff three perforetinns made in the ileum and the left ovary crushed The patient recovered after anture of the ratestine appendectomy extirpation of the uterns with drainage and removal of the left ovary Prognosis is much graver in perforations with dressing forceps than with the curette finger or ntbet means because there is frequently loss of substance in the intestine followed by infection A large opening in the uterus especially if made with dressing forceps rodicates remediate operation and in injected cases extirpation of the uterus hy laparotomy with free drainage through the vagina.

Fath J I Innervation of the Uterus and Vogina (Eas Beitraz zur Lehre übe di la ervation des Uterus und der lanna) D sprinte Moscow 1914. By Zentralbi, t d. gen. Gynik, u Geburch 9 d. Grenzgeb

The author's report is based on a series of ex-periments performed on rabbits and days. The puerperal and gravid uterus reacted most strongly the virgin uterus least. Stimulation of the perip eral end of the hypogastric, polyac and internal spermatic caused contractions of the uterus and vagina. Stimulatino of the vagus and phrenic olso caused contraction which the author believes is due in the fact that these nerves carry sympulatic The atimulation of the central end of the hypogastric, pelvic vagus and phrenic also causes contraction Probably the two first contain sensory fihers for the uterus and vagina Nn contractions are caused when the aorts or inferior vens cava are heated but there are contractions if the nerve her work of the zorta is mechanically stimulated There is a contraction in severe loss of blood or cessation of respiretion. As stimulation of nav part of the cerebral cortex the pons cerebellum etc causes contractions and as atimulation of the ium har cord does not cause any stronger contrection than any other part the author does not believe that there is a center in the lumbor cord for move me ts of the uterus but assumes that there are several centers, probably one in the medullar is con tractions are caused by very slight stimulation of it The ut rus can also contract without any influence from the nervous system as was shown by expennensis after section of all its nerves. The unther believes the central nervous system has only a regulating effect. Pharmacological expennensis, aboved that strychaline regions secasorum hydrastis canadensis adrenabo and suprareous cause strong tertome cootractorum of the uterus and can therefore be used as hemositates in gynecology domain pitulini and circact of overy cause summar pitulini and contraction of the account summar of the summar of the summar of the summar of lad ore caused by sicological existed of picture and embryo but they cannot be used therapeu tically.

Heineberg A 1 Uterina I ndoscopy an Aid to Precision in the Diagnosis of Intra Uterina Disease S rg Gynec & Obst 19 4 2011 5 2 By Sarg Cynec, & Obst.

As an a d toward greatet precision in the diagnosis of intra uterine d wase especially the differential tion of extronoma of the fu dus uten from noo malignant conditions. Heineberg has devised an uteroscope by menns of which a clear siew of the cottre otenne cavity may be obtained.

The instrument consists of two parts (1) As stronght tube with an irreguing attachment and (2) an electric lighting attachment like the one seed in Young surchroocope by means of which light is projected through the tube to illuminate the utterne cavity. Pull of lixton of the ceruscal canal must be obtained before the uternecope is introduced.

If has served in demonstrate the shaggy en lomeinum in a case of polypoid endometritis a piece of feetal emelope: a case of incomplete abortion as well as minor changes in the e dometriom in other cases. His conclusions are as follows

t There is a well recognized meet for methods of greater precision in the diagnosis of intra utenne disease

2 Crenter accuracy in the diag cast will d min ish the resort to unnecessary and destructive operations

3 Uteroscopy affords information concern g changes in the endometrium is the not obtain the by any other method of investigation 4 Lieroscopy like other diagnostic procedures

4 Dieroscopy five output diagnost processors has its immigations and defin to conits undications. Its use al ould be restricted to those cases in which it can effect fusible information without ends gering the health of the of the patient.

Guggi berg 11: 1 ffect of Internal Secretion on the Activity of the Uperus (Über die Wirkung der innere Schule uf die Tingheit des Uterus) Zirch f Geb ni in Graff 0 3 lury I By Zengrafi d dg po Gyaft u Gebernin & d

Hy Zenirallo f a ges Oyana. In consults an other glands with internal securion ha e a attinulating effect on the motor function of the attenus e pecually the thyroid and placenta. The author's experiments confirm the assumption that the placenta noiseuses.

the function of internal accretion as well as having an officet on metabolism. The action of the copys luterus does not seem to be so uniform. Frequently it has an inhishery effect. In other cases there was a slight stamulation of the uterns. The author at present is unable to give an explanation of the lack of uniformity in the effect. Probably more cascalive breast will explana it. In the serum actuality to be a substantial of the serum chemical to the control of the serum chemical the substances, that, induce labor pairs but in the pregnato interns substances can be demonstrated that ha e a stimulating effect on the demonstrated that he e a stimulating effect on the demonstrated of the uterns.

I Shuberg F : F peri noe with Vaginat Amputation of the Body of the Uteru (t. ere Ericht agra fait der vanoulen k pusamputation) F kt Frei & Geben k w Cy sk p 4, vs., 30 By Zeniralbi d ges Gyak Gebutch s d Grengeh

Löhnberg performed vaginal amputation of the body of the uterus on 54 eases up to January 1913 and was able to examine gr of them later Twenty five of them were operated on for hamormage diseases of the aterus & for myom 6 for prolapse to for abortion and aterilization it because of pulmonary tubercules s in the second to the fifth month with sacral angethesis and teach for heart disease and bilateral pyelonephntis. The technique in use is described i detail. Twire there aere myenes of the bladder once evudate in Douglas posch 4 times exudate from the atump Iwice thrombophlebitis of the loace extremity. There were no deaths and most of the patients were discharged on the twelfth day Vasomotor sympt ma of the menopause were observed in so per cent of the cases especially in the older women but they were milder in degree tha afte castration There were no psych c di tu bances and the find ngs on

gynecological examun ton were very favorable. Lobusberg thinks the dan ger of malagnant degrees to not be tump as or great and described as ease. He hele vers min R eck, and others that sease the hele vers min R eck and others that estimates which there were the control of the version the advantage re the hostness of the operation less loss of blood a da more unfaretupled recovery. It is also to be preferred to refutee i treatment expect by in chones meetind, about tump exhibit the soft time the total results of the part of the

Jung, P. Rieck v. Varianti hamputation of the Body of th Uterus (Erichtungen ober die vaganie Lorpus unput 1 on nach Rieck) Gynte Eriot

To a make the Cyalla a Coburtal a Construction of the barrels and memory methods of tree interior and memory and the complete of the complete

losis The technique was that given in Kronig Doderlein's operative gynecology There was un eventful recovery in all cases

In the cases of prulapse he also performed extencive antenor and posteron plastic operations and in a case of cystocele vestcovagnal interpation of the stump. The ages of the pistensis were from 3 to 45 years they had had from 4 to 9 deliveres one being a un para. All the patients were very much astusfied with the results. Membraustom stopped completely un some cases in other it was sight

The chef advantage of the procedors is that it as almost completely extreperioned and therefore shock is avoided. Though the results of routes treatment are saturfactory is such cases the duration of the treatment is so great that operation dries the comes necessary on economic grounds or even intended to the control of the control of the method of the control of the control of the method in treatment is a greater degree of messobar unit treatment.

Mayer A.: Dissection of the Ureter and Uterina Artery in the Radical Operation for Carcinoma of the Uterus (Uter de Praparation von Utert und Uterna beider erreiteren Uteruszaranomoperation) Zital f Gabrill 5 (Salt) 191 Eur 190 By Zentrall f d ges Gyak u. Geburth s d Genageh

In Freund Wertheim a operation the dissection of the ureter is often quite difficult if for instance it is hard to separate the folds of the broad ligament

of the interest is often quite distinction for instance, it is hard to separate the folds of the broad legament because of senule atrophy of inflammatory itsue or it hemorrhaps from numerus branches of the veins abut off the view of the field. A slight modification of the ordinary operation is recommended. The ureter is almost always usable at the opper.

part of the postenor wall of the pelves and if after ligating the adnexa and the round ligament the uterus is drawn forward and toward the opposite side it becomes visible as far as its entrance into the parametr um If a long slit is then mede over the point of its entrance into the parametrium it at ouce springs out and then after dissecting the bladder and separating the posterior fold of the beament to the anterior angle of the incision inst made the uterine artery can very easily he isolated, or if this can ot he done Wertheim recommends that the entire region of the uterine artery in front of the ureter he seized s tote with an instrument or the fingers and cut off An ad antage of this method besides the ease of orientation and avoidance of harmorrhage is the fact that more of the tissue of the parametrium is removed than by any other method

Keifer II Is There a Myometric Gland in the Human Uterus (Ex st t-d un gland myométenale dans l terus h ma)? A et B U Se y d mel et d B m g 4 lxm, 6 By Journal de Chruspe

In or Keifer discovered a myometric gland with internal secretion in the pregn at rabbit and since then has been looking for one in other female

mammals He has found it in the cohra and in the rat where it develops from the middle of pregnancy until just hefore partorition. He has had difficulty in setting suitable material for study in woman but an 1912 13 be had occasion to perform 7 casarean sections and in each case he exicsed a thin layer of uterine tissue along the incision. In the two premature cases it happened that the incision was at the site of the placenta. The material corresponds therefore to that evacuned in the other animals The following is a description of the microscopic findings in the specimens removed at term at eight monthe and at eight and one half months In the wall of the uterus at the eightb month of pregnancy there was no transformation of the interfescicular connective tissue into epithelioid cells But the remarkable fact was the extreme hypertraphy followed by a process of cytolysis and Laryolysis in the muscle fibers of the walls of the arteries and important sinuses. The de tails are similar to those observed in the cobra namely considerable hypertraphy of the cytoplasm and Laryoplasm which had become very granular and more chromophihae disappearance of the boundaries of the cells then malformation of the bodies of the cells and nodules by ordema and vac nobration finally absorption of these elements when they were located in dense connective tissue or a distherge of the products of cytolysis into the lumen of the vessels of the lymphatic spaces or the neighboring vasa vasorum Direct division of the nucles was sometimes observed as well as the forma tion of very fine grains of reddish brown pigment in the cytoplasm The connective tissue at certain points of the arternal wall had prohierated abundant ly especially in the neighborhood of the muscular sones that were undergoing destruction. At these same points it was infiltrated with numerous lymphocytes The intervention of the connective tustie in the regeneration of muscle fibers is evident. also that of the lymphocytes in the mechan sm of chimination of the remains of the cells At eight and a half months the fragment of the uterus which the author examined showed clearly that the phenomena of hypertrophy and cytolysis were finished There were only rare vestiges of this destruction at the time, and they had disappeared completely at term as was found in all the specimens where the

cesarean section had been performed at term 2. Independently of the phenomena just de scribed in the blood vessels of the uterus there was a similar process of destruction in the muscle at the process of the section of the section

constituting only two or three per cent of the solid tumors of these organs, the latter comprising but a

small percentage of ovarian tusue

Ovarian fibromats occur most often during menstrual life they says usee from mere granules to huge tumors weighing as much as ferty pounds and are the result of an hypertrophy of pre-existing ovarian stroma. The increase in sure is abow and usually symmetrical giving a smooth firm oveid timor though occasionally they may be nodelar

They closely resemble uteruse fibroids in the gross, and also on section being tough somewhat elastic mulky white in color and presenting the whori fike texture of the former on section. They are subject to the same degenerations and transformations as

are the uterme fibroids

Encapsulation is almost invariably present and this is a very important sign in differentiating from sarromata with which they are most apt to he con fused. Here the age of onset and rapidity of growth are also important being earlier and more rapid with sarromate.

The case reported showed rolcroscopically interlacing bundles of hypertrophicd connective tissue fibers more or less compact the notes of which were large rouoded or oval, stained uniformly and evenly and showed no evidence of direct or indirect division

manter airing

Michalowski I O Study of Call Exnet a Bodies (Ein Beitra, r Lebre von de Call Evn chen Korpern) Dissertation Moscow o 4

By Zentralbi f d ges Gynak u Geburtsh s d Grenzgeb

The author performed his experiments on rabbits in young rabbits no Cell Rezer bodies could be demonstrated. They first appear in animals it weeks old and reach their highest development at the period of sevial maturity. The further development of the bodies was followed by personing an other large and the lapse of a certain time removing the other owary and examing at it microscopically. The E ner's bodies were found to show a cyclical development the maximum being attacked at the time of men strustico while the bodies disappeared entirely during pregnancy. The development of the bodies found that they are more markedly developed during the summer months than during the writer.

As marked development of the bodies and by persums of the pelver organs were always obs pred in conjunction the author trued to produce artificial hyperzemia. Owness of other rabb is were transplanted to the abdominal cavity and in further experiments extract of ovary supected. Though the results were not absolutely uniform yet they showed that these manipolations prod ced an in crease in size and minimizer of the Energe's bodies to such as and minimizer of the Energe's bodies produce a hormone that Junes by Energe's of the pelvic organs and prepares the mucous means are of the uterus for the uniqualitation of the never

If impregnation takes place the embryo produces hormones which affect the cells of the corpora futea, in such a way that the hypersemia of the uterus is preserved. He proposes to give up the meaningless name. Exerts hodies and substitute that of

Exner's vesicular glands Vov Hoist

Palmer C D Prolapse of the Overy Its Rational Management Am J M Sc 19 4 cxivn 561 By Surg Gynec, & Obst

In discussing prolapse of the ovary Palmer states a prolapse is a morale entity only when alter ations in the position are persistent and unailterable by natural efforts and when they become the sources of pelive disconfiort and constitutional distribution. He discusses the etiology and sympomatology and suggests the inflowing treatment

(2) Obviate constitution by diet and laxative waters (2) Readjust the clothing so that there is no compress on about the waist (3) Knee-chest post non night and morning (4) Constitutional treatment such as tonucs, etc. (2) Micchanical supports for the every as a tampona (5) Surposal treat abdominal route in this way the condition of the every cas he accertainted and if necessary ophores tony may be done (7) Some cases also do well with forside sod galvanne electrical treatments.

DOORNE CARY

Kriwaky L. Surgical Treatment of Inflatousa tory D sauses of the Admass (Z. churuguchen Beb adı ger entandischen Admertira k 370) Veck Crr. 94 vi. 15 By Zentzübl. d ges Gynak u Gehuttsh a d Grenzech,

In the gynecological section of the Municipal Hospital of St Peterehurg from 2010 to 2013 inclu sive about as 000 patients were treated among whom 3 683 or 15 2 per cent had inflammatory The greater part of these diseases of the adness. about 200 were treated by 10013100 of the posterior formix or in some cases of the anterior formix Laparotomy was performed to t mes for the removal of purulent adnexs 17 times for acute diffuse pentonitis originating in a purulent inflammation of the adnesa Operation was performed 51 times for chronic inflammation of the adnexa 48 times by laparotomy and 3 times per vagins was laid on preserving the organs of the patient as far as possible the uterus was removed in only a few cases The prognosis in chronic non purulent cases was good in the severest cases that is those

with acute diffuse peritonitis the number of deaths was comparatively low—35 per cent A WERTH. EXTERNAL GENITALIA

Eden, T W A Case of Superior Rectoraginal Fistula, J Obst & Gynec Br i Emp 19 4 xxv 175 By Surg Gynec & Obst.

The author reports a case of high rectovaginal fistula that was operated upon by the abdominal

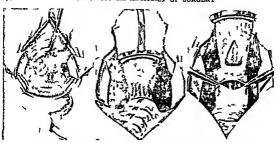


Fig 2 (Eden) The fistulis exposed per vaguana, along 2 fing the rectal bong at position. (Nower—The stenor cervacia lips: depreportionately of large and its level too lot in the drawing percention. The amount of the control of the

faird have been exposed by pulling the terms upwards. The statemore pertinenal flap has been stricked to the skin concealing it shades I st g (Eden.) The dissection has been curred further and the fast is divisited through its lower border and the rectum separated from the vaginal f ran such further down. To literal margins of the rectal opens g to held by dis-



Fig 4 (Eden) The rectal opening has been losed by series of sutures set 1 right angles to the line of the gut The uterus has been superated and lightures have been placed 1 the sides of the wagns Fig 5 (Eden) A flap has been prepared from the poste-

the site of the fistuli.

I ig 6 (Eden) Postomeration of the polytic floor has been completed by spitching the anterior pentioneal stap to the rectum

be flew leady

ronte after a preliminary colostomy Four weeks after the closure of the fistula the continuity of the pelvic colon was restored the potient making a satisfactory though not uneventful recovery

The author divides rectovagual fistule into three roups according to their situation (1) Rectovulval fiatulæ (2) inferior rectovaginal fistulæ involving the lower half of the vagina (3) superior rectovaginal fistular involving the upper half of the vagina

With regard to causation it may be stated briefly thet rectovaginal fistulæ may be due (1) to direct injury to the rectum during a vaginal operation and it appears that in vaginal cochotomy for acute suppurative conditio a the risk of injury to the rection is most to he feared - at any rate most of the recorded post-operative cases have followed this procedure (2) to direct faceration of the rectovaginal septum in labor (3) to rupture of a pelvic abscess into both rectum and vagina (4) to ulceration from syphilitic or tuberculous disease of the rectum or from a neglected pessary or other foreign body in the vagina

The advantages of the various routes for operation are discussed in detail with the following conclusions r For those belonging to the group of rectovulval fistule the method of direct suture is usually suffi

cient postenor colporrhaphy may be done at the same time

2 For inferior rectovaginal fistula a perineal operation is the most useful and may he supple mented by complete or partial excision of the lower

segment of the howel of necessary

3. For superior rectovarinal fatula the abdominal

route is probably the easiest and the best and should prove not to be attended by disproportionate risks In difficult cases 1 e when the fistula is large and the parts are immobilized a preliminary colostomy should be performed CARRY CULE ARROY

MISCELLANEOUS

Walker F E. The Induced Climacteric J.-Lencit TOTA PERIN S By Surg Gynec & Obst

During the past seven years a total of 106 operations were performed for the induction of artificial chmacteric Tollowing 2 precise pre operati e and post operative lovestigation of these patients the author is convinced that a masculine type in any form does not develop from the removal of any of the female sexual organs nor does any abnormal co dition supervene other than would obtain in a perfectly natural menopause

That a certain number of women so operated on

will gain fiesh is true but the increased weight results from the removal of a diseased condition which prevented perfect nutrition. The operation samply restores the physiological equal brium in the same manner as the removal of a diseased appendix an enlarged and troublesome thyroid, o a dead kid Even where nutrition has not been interfered with by reason of disease in these organs, the tendency to an increased weight may be a family

characteristic or due to the age of the potlent The author thinks that ablation of the overies tubes or uterus does not tend to obesity other then as a healthy or physiological result neither m his experience nor observation has it been noted There is nothing to indicate an inclination to de velop the masculine either in vocal changes gestures locomotion language sexuality or general appearance

That the removal of any or all of the sexually diseased organs was a factor in producing insanity was not evident Unfortunately hereditary in santy developed in a few cases reported in the hterature but the operation upon and removal of a diseased organ was not and could not he responsible Any number of women with acquired insanity have been entirely restored to health. In his series one woman who had hen insane for years and another insane for five years were completely restored to a normal mental condition.

Prolongation of chimacteric symptoms following the surgical menopause was never observed but executation of such symptoms was quite evident in the majority of patients especially in the highly nervous type and those between the ages of 30 and 38 After extering the climacteric age this operation may cause an apparent change to an apprecable extent. The exacerhation of symptoms was

most pronounced to those between 30 and 40 years

of age but these symptoms ended quickly
It was questionable if there was any amelioration
of symptoms when a whole or part of an overy was left and the uterus removed. It softened the se venty but so the other head no appreciable gain in the long run was noted. In those patients in whom a transplantation of ovarian tissue was made a recovery analogous to conservation of tissue in sits was noted. It was not encouraging to leave overian tusue where severe infection necessitated the removal of the uterus and one tube and ovary or the uterus alona Five per cent of the patients formerly operated on with the idea of feaving some of the tusue which looked healthy were reoperated on within a year During the past four years it has been the author's practice to t eat severe in fection in the most radical manner and the result has been gratifying in every instance

The autho has reached the following conclusions

after considers g 84 cases in which the pre-surgical and post surgical history were secured

Thirty ave per cent gradually lost their sexual desire After operation sexual desire returned in 34 per cent with improvement in all

Twenty per cent were possessed of abnormal sexual desire and about 5 per cent of these were perverts some mild a few severe Operation re keved about one balf but in three cases of severe perversion no improvement was noted.

3 In 55 per cent therefore there was a deviation from normal in the sexuel appetite due entirely to diseased conditions and all were benefited in this respect except the advanced perverts

4 The removal of the uterus, tubes and ownnes increased the sexual oppetite almost imroediately but this gradually diminished year by year With the removal of the uterus only the appetite assumed a more normal and constant aspect while the removal of the ovaries seemed to lessen it during the first few moaths followed by a gradual seturn to normal Depressing mental effects from ablation of the ovenes was much more notireable than when the uterus alone was removed. When the uterus and ovanes were removed there was much less de pression than when the ovaries alone were taken oot The depression was accounted for as being due to the mental or physical impression upon the sensitive female organisation as most women felt that they were astrofcing the greatest blessing of wifehood and motherhood It was noticeable in women who did not desire a family that complete and radical operation sever depressed them that the lotercurrent symptoms of induced menopause were rether insignificant that a hopeful consulesernce ensued and that mental and physical vigor

LOWARD L. COL PLL.

ton Graff E.; The Thyrold and the Genital Organs (Schilddrise and Genitale) Arch f G₃ &t 0 4 cu, too By Zentzihl i d ges Gyalk a. Geburish s d. Grenzeh

was a constant and characteristic result.

Treund found councience of pregnancy and gotter to go per tent of cases. No first examined 654 women during the second half of pregnancy to test be frequency of that conscidence. He found it is 44 per cent of the cases among the women of Lenna and in a per evol in other women. In Increase domination with 100 map reprint women to the case of the cases of

After a detailed inscansion of some cases of prey many complexed by pathological gotter the author takes up the question I the effect of gotter on metabolism. Among 409 preg ant source become among the some with gotter in gotter and those without gotter in only 112 per cent and those without gotter in only 112 per cent and these without gotter in only 112 per cent and these without gotter in only 112 per cent and the sent of the gotter and gotter frequently as possible gotter and gotter and gotter frequently as possible gotter and gotter gotter and gotter gotter and gotter go

well as his claim that gotter often coexists with my oma.

Vetr J : Lugenics and Gynecology (Eugenik und Gynekologie) Deutsche med II thrische 1014 zh

By Zentralbl. f d. ges Gynäk o Geburtsh. s d. Grenzgeh

set reporte a casareao section in a 36-year-old chondrodystrophic dwarf with the delivery of a normal well formed child and on the same day the delivery of as snencephalus hy a normal 15-3 car-old girl On the basis of these cases he opposes the demand of Hirsch that the obsectrician should take expenses unto consideration more than has heretolore been done and that patients with heredi tary taint should be sterilized file then discusses the theoretical principles of eugenes in relation in psychonia epilepsy imbecility chronic alcoholism infectious diseases especially toherculosis and syph the marrage of relatives etc and says that it is well known that lojury to the descendanta may occur from disease and inhented predisposition from the acents but that this does not necessarily occur He doubte whether it is justifiable to draw such practical conclusions from this teaching as for example the forbidding of marriage and thinks it would be better to inculcate eigenic principles in the knowledge customs and moral conceptions of the people than to forbid marriage Stenlization and artificial abortion from cureme indications, he beleves are measures that at present cannot be shown to be necessary on scientific grounds So long as the study of hered ty has not shown when inherited taint mu t lead to mjury of the descend ants he thinks no such scrious measures should be taken

Schmitz, Il Massl Y Raylag in Gynecology Surg Gynec 5 06 1 914 2011, 3 6 By Surg Gynec & Obst.

The author raviews the biological foundation of gynecological radiotherapy misutely describes the technique and its results on the treatment rates the methods used by Albers Scholbe g Gauss almosted and finally dwells on the inferent gynecological ds asca which may be subjected to reging and gives the indications for the treatment.

His techinque is as follows. Focal distance of one-of-zer may mai alumatum filter curre to da 400 ma water conselet tubes of 5 to 12 Webnell. 6 I zo fields each of 5 sq. cm. Each field is report taxed during a series of size duly satt gr and an amount during one series is from 50 to 240%. An intermission of their works is taken between stems for sature of the means to take between stems. The slan is compressed by tobe and the otestines are desplaced by a sight elevat on of the pelvis.

Aletropath hemorrh gica chronic meintus myom uten pruntis vulvz adioral nfammatio and dynamotrhora have been successfully treated Makgannt disease of the pelvic organs was never benefited by massive raying Holder II : Irradiarion in Gynecology (Über Strahlenbehandlung in de Gynakologie) Med oor Ri d u strab bril Land ser 9 4 Exx 5 Grenageh
By Zentrabli f d ges Gynak u Geburth. d Grenageh

The Tuhingeo Gynecological Clinic to general follows Guns technique that avoids the extra ordinarily high doess. Submucous myomata, those with a fertid daschage or occurous and those with symptoms of sociateriation are excluded from trestiment. Among 52 cases of myoma and climac tenc hemorrhage the uterus had to be removed once because the hemorrhage did not stop. On operation a submucous necroite myoma as farge as a fait was found Good results were also obtained in some cases of genital tutherculosts. With obtingen treatment does of cannot of the cervit's which were almost all in an advanced stage. Nor were the results channel on the first of the control of the control of the cervit which were almost all in an advanced stage. Nor were the results channel on the first of the control of the control of the cervit which were almost all in an advanced stage. Nor were the results channel on the first of the control of the control of the cervit which were almost all in an advanced stage. Nor were the results channel on the first of the cervit which were almost all in an advanced stage.

Klein H V 1 Value of Hydrotherapy in Gynecol ogy (Die Bedeutung der Hydrotherapie für den Gynekologen) Zisch f phy il is di t i Therep

mide were used

GOLDACIMITOT

5 4 svm r?
By Zentrabl f d ges Gynšk u Gebursk s d Grenzeh
A summary is given of the results obtained in the
bydrotherapeutic section of Werthern's clinic since
size establishment a year and a half ago Hydro-

therepy is ured as a prophylactic in healthy somes as a treatment for sack ones and bygenically for pregnant and puerperel women. Hydrotherapeute interacents which have been begun can be continued durn genestreation without any danger. During the first half of normal pregnancy Alean recommends tub baths three to four times a week for ten of fifteen mu tens at a temperature of 3 s to 34. They can be continued durn g the servad half hut toward the end of pregnancy he parfers shower paths.

Normally irrigation of the wigns is superflowed to only if there is a yellow discharge from the vagua; it must be disinfected with bethlorde or lysel. He has had no esperience with Zwelle's lactic and irrigations which should not on that a pre-cet but may be a superflowed the should not on the property should not be employed in eclampic to the properties of the country of the construction womating were negative. In febrie discassed turning the properties are not when the contract of the co

HANNE

Schneffer R The F equency Cau es, and T eat menī of Sterefftly in Women (ther it tightet, Uraschen und B handle g der Stenheitt der Frame Em taiutscher Betrag) Zheis f Bekamf d Ge seldet hu his 9 3 x 39 By Zentralbl. I d. ges Gynäk Geburtah d. Grenngeb

Among 5 rg6 marned womeo of the laboring class es 10 Berlio who visited the policlinic 500 or 0.6

per cent were primarily sterile while 505 of 175 per cent were childless. The determination of the potency of the husbands of women with gyne cological diseases is difficult as many of the men

refuse the examination

Reports as to the frequency of gonorrhota in sterile some vary midely. Some authors demand demonstration or gonococci for diagnoss while others casalier the climical diagnoss sufficient. In many cases of chronic gonorrhota the gonococci cannot be demonstrated and the presence of in fammatory diseases of the adoets in attente women may be regarded as practically a proof of gonorrhota. The pathological causes given as causes for sterility can generally be regarded only as probable causes or as factors that have heen found by experience to render conception official!

Among the 45° women to Schaeffer a clause with printary sterilsty on unfammaticy diseased from internal generative organs that were to be attributed almost exclusively to genorrhera. Acquired causes of sterilsty are far an excess of congenital ones Among 376 cases of women accondantly sterile 27°, or 77 per cent suffered from genorrhera or inflam

matory diseases of the genital organs

The best results were obtained from treatment in uncomplicated stenois of the crevix endometrius dysmenoribons, and retroflemon but even in gonoribons, treatment if begun early and carried out crefully has successful in a part of the cases Therefore, early chagnoss of the cause of sterning is essential in order to been treatment early

riy Kowera

Kakuschkin N M.; Exploratory Puncture in Exudates and Different Collections of Fluid in the Pelvis (Beobachtungen über die Probripunk tom bei Expudaten und versichtel ne Amanmilungen m Becken) Zit h f Gebrith u Gyall

9 3 zevna, 1783 By Zentraibl i d ges Gynāk u Geburtsh s d Grenzgeb

The author has used exploratory puocture for disgnostic and therapeotic purposes to different in fiammatory processes of the adnexa and pelvic cellular tusue except in violent acute cases such as retro utembe hematocele and comes to the following con clusions (1) The puncture 10 many cases causes a fall so temperature and hesteus the absorption of the products of inflammation (2) The action of the puncture rn lowering temperature and hastening absorption is explained partly by changes in the circulation to the area of the puncture on account of the hyperæm a caused by the puocture and partly hy the removal of some of the contents of the inflamed focus (3) He uses puncture systematical ly in the treatment of old pelvic candates (4) Io fresh cases with a highly virulent exudate the temperature may use after the puncture hecause the microbes from the focus of infection are trans mitted to the general circulation through the treuma caused by the puncture

Gerdes, I U A Case of External Fernsle Pseudohermaphroditism (In Fail von Pseudoherm phroditismu i mou us ext m) II 19 Tel Kjobesh 0.3 vt. 2301 By Ze tabbi i d ges Cut u i Grenzech.

43 year-old unmarried woman had nephrectomy performed for Lidney tuberculosis on the right side. She died the dey after the operation of embolus of the pulmonary artery The post mortern showed the following conditions Thorax of masculine form mammary glands not developed pube hair of masculine type chrons 5 em, loog with a marked prepuce corona and retro glandular suicus on the lower side of the chions there was a furrow which continued into a canal into which both the vagina and the prostatic part of the pretbra emptied the prostate was well developed the vagina broad and roomy and 6 cm long the uterus was also well developed 6 cm long with a smooth mucous mem brane and the ovenes were oval and of the normal size There were no curpora jutes no cysts, and no depressions showing ruptured follicles on the surface The adrenals were very large the right one being 8 em broad 5 cm long and 11 cm thick. Little was known of the mode of life and character of the patient, but as a child she had generally played with boys She took no Interest in fem nine activities, and had never had an letimete relation with either a man or a woman In the hospital where she was placed with other women nationis she showed e great interest in them so that it

woold seem that her feelings were homosesual

S. \ Gungerrore

Jechontoff A.: Transverse Incision of the Abdominal Fascia in Gynecological Laparotomies (Zur Frage des Fascesquercha itts der Basch wand be gyakolomochea Laparotomen) Zis i Gebrish Gy ik 1913 zww 1677 By Zeatziki 6 d ger Gynak u Geburth e d Greengeb

The author reports 160 gs necological operations with Pfannenstele e transverse income of the faces with Pfannenstele e transverse income of the faces as a transverse meason of the aponeurous and the upper edge is dissected with a blunt hustivument At the Inea allow here the edges of the rect touch the aponeurous is dissected with a butle. Large timons may be too heary pincetured. The horizontal properties when it is not in the properties when it is not in the properties when it is gene ally necessary in give-cological operations. Hematom te are avoided by careful fighting. The case of the temperature of the properties when it is one of the temperature of the properties when the properties have been considered to the properties when the

the cosmetic result is more satisfectory than in the longitudinal incision. The author betteren io es lending the indications for the transverse incision Operation

Kelly H A and Dumm W M; Urinary Incon Huence in W men without Mantlest fajury to the Bladd; A Report of Cates. Sur Grace & Obs. 1914 vin. 444 By Surg Grace. & Obs.

followe

1. With a small Perser catheter in the bladder as
a guide a mechan incusion about 3 5 or 3 cm long
is made in the antenor vagical wall the neck of the
bladder falling at about the center of the incusion
2. The bladder and yrethra are detached from

2 And disapper and vertical are detained from the vagina by blunt dissection so that the finger is able to grasp one-half or two thirds of the neck of the bladder including the configuous wiether.

3 The insues at the exical neck are brooghing througher by two or three transverse malters subset of line lines or sill. The recohoroom exhiters is then removed the head of the exhiter exchange with a joinn as it clears the reconstructed sphinter was 4. The redounded vapinal alls are received to that the remaining issues can be an gly approad matter from and to see thins a poperting the vessel.

area operated upon and a voting dead spare Fowler e position is assumed immediately following operation, but catheterization is not done unless upperait in The patient is upon the fourth dey providing it has not been necessary to combine some other proced re with the one described Eagity per cent of the cases oper ted upon provide curcus!

The following conclusi his are noted

s There is a type of urns 3 necontinence in women with an omanifest injury to the bladder which is due to an impairment of function of the sphineter muscle at the internal r fee of the arethes it is most common mong multipare in the fourth dereade

e The operation as performed by Kelly is the most satisf ctory thus far euggested for this type of incontinence Entire control is gir et al. a large percentage of casee by measus of a mechanical reocculant of the pluncter area i the vesical neck.

The operation my be done under local or general samulation. The post-operative treatment is simple

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Eisenreich O 1 Biolog cal Study nf Normal Pregnancy and Eclampala with Special Con-sideration of Anaphyloxis (Bioloxiche Studien besonderer Bericksichtigung der Anaphylame)

S mml H 1 prir 0 4 \ 0 601 669 Fertr 94

By Zentralbl. f d ges. Gynak u Geburtsh s d. Grensgeh

The anthor tried experimentally to solve the question of whether eclampsia is to be regarded as an anaphylactic phenomenon He sketches the historical development of the theory of eclampsia the last stage in which he conceives eclampsia to be due to anaphylactic shock discusses the principles of anaphylaxis and the theoretical possibility of the appearence of anaphylaxis in pregnancy that is an anaphylactic reaction of the maternal organism to

foetal albumen

The attempts to prove the anaphylactic nature of eclampsia by the methods heretofore in ose have not given decisive results. The author therefore tried to decide the question by the passive transmis sion of hypersensitiveness. He sensitized guines pigs by the intrapentoneal injection of maternal scrum after s4 to 36 houre he gave an intravenous re-injection with feetal serum. Of fifty gu nea pigs treated in this way with maternal and fortal serum 41 showed no symptoms 9 showed non-characteristic pseudoanaphylactic symptoms Sixteen guinea pigs that had been treated with the serum of eclamptic mothers and their children showed the same It a single animal died of shock These experiments show that eclamosis is not an anaphylactic phenomenon. Also experiments made by the author in regard to the condition of comple ments in normal and eclamptic pregnant women do not suppo t the ssumption that there are anaphy lactic relations between mother and child But the complement experiments show learly that in eclampt c patients biological processes are taking place th t seldom or never occur in the normal pres nard woman The complement content f the serum of a normal woman is practically constant whil that of th eclamptic woman shows great arrations wh h however reby no means unif rm Experiment with the complement fixation reaction showed the the re was no antibody reaction between the moth r and child The details of the experi ments must be read n th original

Peters Duratton of Pregnancy (Schw gerichaft nd ue) Zent albi f G; ak q 4 vvin, 329 B; Ze tralbi f d ges Gynak Geburtsh d. Grenzgeb

It is known now that o ulation generally takes place 18 to 19 day after the beginning of the la t

menstruation We can therefore determine with greater certainty the heginning of pregnancy In cases where costus has taken place regularly rupture of the folicle and beginning of pregnancy are al most synchronous The date of burth may be delayed 5 to 7 day a by the possibility that the ovum may have been impregnated during its migration The cases where there has been only a single costus should be examined for this point. The duration of preenancy should be reckoned from many thou sands of cases with normal mature feetuses and a definite knowledge of the date of beginning of the last menstrual period

Findley P 1 Ectopic Pregnancy Med Fe ! shily 1914 xiv 15 By Surg Gynec & Obst

Two phases of the subject of ectopic pregnancy are of special interest i e (r) diagnosis before rup ture of the restation sac and (2) immediate versus deferred operation for intra-abdominal hiemorrhage

Findley beheves that early diagnosis is very sel dom positively made Ectopic pregnancy should always be considered in women of the child bearing age with pelvic disorders especially in those with a history of tubal infection some years back Also in women whose periods are from four to twenty days overdne followed by a dark clotted flow the con

dition should be considered

The initial hamorrhage which follows rupture of the tube is not as a rule great but the attending shock may be profound Every means should be used to restore this patient to a better condition but should secondary hæmorrhage follow on oper ation should immediately be performed with all possible speed

Before rupture the ooly safe procedure is removal of the pregnant tube Late after rupture only vaginal dreinige a as a rule necessary

ECCEVE CARY

Free Unu us! Forms of Ectopic Pregnancy (Uber seltener I men ktopsscher Schwangers haft)

Dutrike med II & k o s zl 20 D ninks med II & h 0 4 zl 20 By Ze traibl f d. ges Gynak Geb rish

d Grenzgeh The author reports two cases of hi own of ovarian nd peritoocal pregnancy. In one case the left overy transformed to a blood cyst lay in Douglas. pouch Villi could be demonstrated in t m croscop-

cally In the second case the ovum was located at the seat of the appendix which had previously been removed at was a blood nodule as large as o wainut nd was covered to an apron like fashion by omen tum The cavity of the ovum with the mbry o and vills could be demonstreted microscopically author regards both cases as genuine Ŕvige,

Beckmann, W G: Two Cases of Extra Uterina Fregnancy Persisting after Rupture of the Fregnant Tube and the Fregnant Uterue (Zwel Falle von progressierender Ext utermgravdiett nach Ruptur der schwangeren Tube ad des schwangereo Uteru) Zitchr fechwisk

Gy &t 10 3 xxvm, 1850
By Zentralbi, f d. ges. Gynäk, u Geburtsh, a. d Grenegeb.

The first case was a 35 year-old VI-para whose last delivery was 7 years pursons For four mooths and clevery was 7 years pursons For four mooths and the parameter of the left lover quadrap tun to the abdomen In the left lover quadrap tun to the parameter of the left lover quadrap tun to the part of the part of the left lover quadrap tun the left lover and the left lover and the left lover and the left lover of total heart sound could be discerned. Laparotomy was performed and old blood found in the left sade of the abdomen with feet and old blood found in the left sade of the abdomen with the lover of the lov

there was torricollis and talipes calcaneovalgus The second case was a 36-year-old VI para whose last delivery was three years before The abdomen was the size of a full term pregnancy the uterus was enlarged and there were feetal movemente and heart The clinical diagnosis was either futra uterine or extra-uterine pregnancy with adhesious to the fundus of the uterus Laparotomy was per formed and the omentom was found adhereot to the abdominal wall Back of the omentum the living foctus was found in the left lumbar region with the legs in the right hypogastrum. The placents was very large entusted on the fundus of the uterus and adhereot to it were the omentom and the intestiors. The membranes were open on the upper side the legs lay between the couls of intestine Because of the adhesions only a part of the placeota could be resected the other part was entured to the panetal peritoneum. The abdominal wound was draiged

The child was 48 cm long and weighed a 5 gog grams On the night npice arm there was no extracture of hoth clow long in the picture and the contracture of hoth clow long into the patient died on the attached day be refined in the refer was a mpture 1; cm long the contracture of the contracture of the contracture of the contracture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early no that of picture of the uterus in the early not seen that of the uterus of the uterus the picture of the uterus of the ut

Graefs: Primary Pregnancy in the Omentum (Primire Netzschwaogerschaft) Zeniralii f Gyndii 0 4 arvnii, 46 By Zentralbi i d ges. Gynik u. Geburtsh d. Grenzeb

In the case reported the left tube was normal in the right there was a hæmatocele as large as a fist The ovary and tube were removed and found macrocopically oromal. Microscope examination of the tube showed none of the charges of pregnancy. In the omeetum which was otherwise, there was a blush nodule as large as a walner containing Blood clots and chorionic will. The villa, they are to the omentum but not connected with it by space, imm or Langhans calls

Lerr J M M t Tommias of Pregnancy and Their Effects upon Material and infactlis Mortality with Sugacations as to How the Association and the Public Health Department Might Asiat in Lessening the Death Rata from Complications of Pregnancy and Parturition Poisson 19 4 224, 179 Byur Grace 20th

In a coorise way the author attempts to show that reporting of pregnancy chould be made com pulsory in order that the maternal and infantile death rate resulting from toxemias of pregnancy and other complications might be lowered. He states that in the Iodoor Department of the Glascow Mesternity Hospital during the years 1901 1910 inclusive there were 203 cases of eclampsis of these 58 mothers died a maternal death rate of 30 per cent As regards the children 208 were born dead or died, an infactale mortality of 70 per cent Several of the mothers developed chrome Bright e disease and among the children who hved, several died shortly after birth and many were prematore poorly nourished and etarted life very much hands capped. As evidence he s ys the average weight of

the chaldren was only fire and three-questres pound. In the same boystal dump, the same ren year, there were rer cases of albumanura with a material poly or \$ specerat and anishnike mentality of 33 or \$7 s per cent. The euther eaters that the above datastics go to show that if prepant women were treated while they had sibumanura and specially early a great combine of material and faintable here would be saved. He is of the have the public well well and the specially early a great of this problem at the have the public well of soliton of this problem at the well well well and the problem of the problem at the contract of the special properties of the problem and the problem of the problem at the contract the problem of the problem o

flaughton S. The Prophylazis and Treatment of Pre-Eclamptic Tuzzemia and Eclamptis. Indian II Gas of a three street.

Indian If Gas 9 4 xlix 37
By Surg Gynec & Obst.

As prevention is hetter than cure it follows this insportance of prophylactic treatment cannot be too urysoily insisted upon. As a means of accomplishing the above the author suggests accomplishing the above the author suggests that most care! I atteation should be paid to the present of the state of th

s) cedema of the limbs He says that pre-eclampic toxemia usually appears in the second half of regnancy and but rarely in ite later months.

The treatment soggested for pre-eclamptic tox emia consiste in putting the patient to hed, for the first 24 hours giving only water and a large lose of epsom salta should the patient a condition remain the same bleeding and hypodermociyan of saline solution should be resorted to In spito of the shove should the symptoms grow worse the author auggeste emptying the uterus and the use of the following working rules (1) If the patient is in labor and the cervix nearly fully dilated the dilatation should be completed version dooe or forceps applied (2) If the patient is not in labor palliative treatment should be tried and if after two or three hours the progress of the disease is oot arrested the uterus abould be emptied by dilatation of the cervix after Harms method or hy either vaginal hysterotomy or casarean section vaginal hysterotomy being the operation of choice during the early months of pregnancy Gastr c lavage bleeding injections of salt solutions etc should be used to eliminate the poisons most careful at

tention heing paid to the diet. WE D PRILLIPS

Retrograda Amnesia Following Aschner B Eclampaia (Über die post klamptische Amnesie) Zu hr f Geburt h u Gy hh o 3 kmv 405 By Zentralbl f d. ges, Gynak u Geburtah s d Grenzgeb.

The author observed two cases of true retrograde amnesia following eclamosia the loss of memory extending from several weeks to a year before the beginning of the attacks The amnesia bore no rela tion to the number of the attacks. It was probably a deep-seated distorbance of the bonds of association between individual facts not a complete loss of the elemente of consciousness involved (Von Strumpell) for many memones returned with the freshening of the associations Probably closer examination will reveal the fact thet retrograde amnessa is a regular feature of the symptom complex of eclampsia.

Danforth W C. Casarean Section with Report of Fourteen Cases from the Service of Drs Parkes and Danforth Illin is II J 9 4 xt 2 3 By Surg Gynec & Obst

This article is a short review of the literature with a h ief report of 14 cesarean sections They were performed for the following indications Ovarian cyst placenta przevia 3 rigid cervix and deficient powers 1 absolut ly contrected pelvis 1 eclampsia 5 slight pelvic contraction 2 nterine mertia r CA BY CULBERTSON

Barria J : The Treatment of Pregn ncy Comple cated by Morbus Cordis, by Mean of Greatman ection under Spinal Amesthesia J Obst & Gynec B it Emp 9 4 xxv 86 By Surg Gynec. & Obst

Five cases of the above are reported one of the author's and four from the hierature. In the

author's case section was the operation of choice (1) To practice rapid for the following reasons delivery some form of anæsthesia was necessary (2) A general angesthetic was contra indicated owing not only to the valvular lesions, but to the condition of the cardiac muscle therefore some apecial method such sa local or spinal anzesthesia was indicated (3) Abdominal casarean section was preferred to vaginal on account of the size of the child, and also because by the abdominal route a portion of both tohes could be removed and the patient he protected by rendenng her stenie.

Stovaine, o i gm with dextrose o or gm dissolved in I com of sterilized water was injected hetween the thurd and fourth lumbar vertebres followed hy a second dose in twenty minutes. During the operation a com of pituitary extract was injected and oxygeo inhalation administered. The blood pressure fell from 240 mm Hg to 160 Recovery was unioterrupted. The author makes these pointe an résumé

It must be admitted that some cases of cardiac isease pass through labor unexpectedly well apart

from this treatment 2 On the other hand the method has the ment of great rapidity and of relieving the cardiac muscle of strain during the first and second stages of labor, thus diminishing the risks both of cardiac failure and

of embolism 3 Sternbzatlon may be carried out at the same

time 4 There is no predisposition to utenne mertia

especially where pituitary extract is given immedi-ately before making the abdominal incision. 5 The child appears to ruo no risk from asphyxia crying at once after extraction

6 No undue amount of shock was observed in

the tases recorded The mental effert upon the patient is a possi ble drawback to the method This may be mini muzed by administering morphia or scopolamine before the operation and by cocaluzing the skin

prior to the injection of the apinal ansesthetic CAREY CULBURITION

Spaiding, A B 1 Some Principles Governing the Indications for Casesrean Section Calif St J Med 9 4 m 15 By Surg Gynec & Olst

The author reviews some of the factors governing the indications for cresarean aection tabulates his results in a series of 5 auch operations and discusses th results Io a series of over 700 private and hospital maternity cases he found contracted pelves in less than 10 per cent of the women and 10 hut two of this number was the contraction of the conjugata vera 71/2 cm. or less Among his 25 cassarean operations o were door for moderate degrees of pelvic co traction 4 of these being done with perfect results to mother and baby after a severe test of labor had fa led to cause the head to sogage 4 were done for pelvic tumor 3 for placenta pravia with perfect results to both mother and baby 2 with

hroken compensation one with marked ordems of the legs vulva and abdomen one for eclampsia and one for hyperemessa gravidarum

C D Hour &

Holmson E.: Simultaneous Abortles and Tubal Szerilization (Zur etazentze Abortes lestung und Tubersteni sation) Zi ck f Geb ink G adk

1913 km 310 By Zentralbl f d ges Gyntk u Geburtsh a d. Grenz-ch

The author recommends Gugnaberg Bern s transpensional und monal method for the simultaneous induction of abortion and titubal aterulations. A medican increase is made in the uterns so that the ovum can be removed with alight pressure. The catting is curtified and the wound gutured with continuous cright satures. The tube as tent off from a continuous cright satures. The tube as tent off from a conject of the tube with salls, and the saturan is a formed hearant the personneum with continuous all auturn. The dranape through the criver recommended by Sellhem is considered superfluous. The results were excellent in so cases.

Ebeler F Treatment of Abortion (Z r Abortion handling) Zirch f Geb eish G; då 19 3 kxv
Br Zentralbi, f d. ges Gynák a Geburish s d. Grenzerb.

Ender reports the creuits of the treatment of aboution at the Cologies grace-ological cine for the past two sears. Of Gar cases 76 a were admitted in as a febric conduction 2 at per Cent febrile. When abortion was immunent conservative treatment was employed in the very good treatle other sease act; a treatment was used without regard to the bacteriological floorings of the takertous had not passed belonged for the conduction of the conduction of finger as employed sometimes supplemented by a large currette. Distation was accomplished to

laminaria or Hegat teots
Of the agy afemble cases as abortions were insura
nent and proceeded without lever there were yartifical abortions afemble ag, cases of endomen the
aight abortion fever o by once for a short time after
curtitage. 85 abortions in process with abortion
of temperature in two exses 116 incomplete abortions 200 of them free from theer 25 with 100
There was in severe illness and no deaths.

Of the raff i bule abortoms the fe er quickly disappeared in 2 minatent abortions are of artificial abortions died of tuberculous 17 asset of artificial abortions died of tuberculous 17 abortions in process recovered quickly from the fevere c set one Of 123 incomplete abortions the fever promptly placetions to some cases of deaths 4 a per cent. Three of these we re admitted in a desperate conduct to one of edd pent lead 1 between 50 from criminal abortion only reste could have been unfa orably influenced by the curtings I conclusion the author recovered as the testiment by confidential to the confidential control and the suith of the confidential to the backgrowth for the confidential confidential

Traugott M: Active and Conservati e Treatment of Streptoccocus Abortion and fts Results (Akt e und konservative Behandlung des Stretokokkenaboris und fire Resultate) Zinki Zinki (Akt e und konservative Behandlung des Stretokokkenaboris und fire Resultate) Zinki Zinki Zinki Zinki des Dipal 19 3 letty, 275 By Ze 1818bi d. ges Oyalk u Geburuth, a.d. Granzed

Treugott firmly believes in the conservative treat meat of atreptococcus abortion. His atalistics include all the cases iroro the Frankfurt expeculon cal clinic. Oi 246 eases with obligate suprophytes, 195 mere treated actively 51 conservatively Of 217 Strentococcus abortions no were treated acti ely and 238 conservatively Of those actively treated the process remained confined to the uterus in 61 2 per cool of the conservatively treated is or o per There were persutenne diseases and metas tases in is r per coot of the actively treated cases and in an per cent of the conservatively treated ones In the former there was r8 1 per cent mortal ity so the latter a s per cent. Deducting the crim inal cases from the conservatively treated streptococ cus abortions there remained a case of mild parame-

The active cases remansed on an average st days to the hospital the conservant e outs 12.4 Of 76 cases of strepteocecus abortion; that were admitted free of fever on were treated extrevely and 56 con servatively. Of those treated actively 47, per cent and fever 12 5 per cent and fever 12 5 per cent and fever and active and mentatases 7, per cent of of those treated con servatively 80 per cent manued at limit 19.4 per cent had fever there were no perfutuent designation.

tritis which recovered and a of purulent personatis

and no deaths

The coa justions are Every case of aborton mist be examined butternologically. Saprophy to case should be ireased actively at one but attraptocoxes abortions should be ireased actively at one but attraptocoxes matter a manufacture of the activation of the activation of the control of the co

Hofmann L., Cong lability of the Blood and the Blood on an in Normal Hyperthroid and Hyperthroid and Hyperthroid Monage of ring Preplancy and the Theoretians (Low Bingtonameter and Appolyrottache Schwageren und Wockern and Hyperthroid Congression of the Congre

In pregnant women with large vascular soft gotten there is no wantion from the normal congulation time. In pregnant women with hypothyroidsm the congulation time seems to be somewhat shorter than In normal pregnant women but further research is necessary in order to determine this question definitely. In labor the congulation time of the blood is reduced in about 50 per cent of the cases.

There is no difference between normal, hyperthyroid and hypothyrolic platents. During the purpersum the coagulation time is gradually lengthered until it returns to normal. There is no difference in this particular in the three classes of patients. The blood count of normal pregnats women shows a slight leucocytosis into dwing all the cell forms. In pregnant women with hyperity and about the companies of the companies of the conparis immediately after delivery and reappears during the pureprantm. In hypothyroidams the conditions seem to be normal. The freeing point of the blood of pregnant women is somewhat higher than that of non pregnant ones. In hypothyroid sim there is no lowering as there is in the non-pregnant condition.

Austin C. K. On the Isoserum Treatment of the Incoercible comitting of Pregnancy Med Rec 9 4 int 705 By S of Gynec. & Oh t

Austin details the theory of Freux of Bordeans, regarding hypermenses gravidum which states that during the period in which the choronic will fournish and up to the time when they all disappear except those which have given rise to the placents the syncytial cells covering the vills scerete a posson which when taken up by the maternal circulation into cates the mother and produces the early vomiting of pregnancy. The presence of the town determines an authbody reaction and on the more or levs prompt and effective respirate on the part of the maternal organism depends the degree of of the maternal organism depends the degree of

Isoserum therapy depends upon the intravenous injert on of blood from a non tone pregnant woman whose pregnanty as of about the same dutation as that of the patt at

that of the patt in The only drawback to the method is the diff culty of making certain that the blood of the donor is innocuous T this end the Wassermann and tubercult reactions abould be atuded

EDWARD SCHUMANT

ton Bardeleben H Principles of Treatment in Pregnancy Complicated by Pulmonary Tuber culots (i.e Pranspen des therspentachen Essgnifes bet L g i be kalose and Schw ger schaft) Mel ki They in 3 u. 440 By Ze traibl f d ger Gynth u Geburth d Grenzgeh.

Basic pain iples of treatment in pregnancy complic ted by pulmonary tuberculosis are (1) Old

healed non arche tubercular processes in the lungs do not furnish an indication for abortion. The con dition should be carefully watched however for there is a possibility of reactivation (2) In pulmonary tuberculess that can be demonstrated clinically abortion should be performed. In involvement of the apices up until the fourth month simply empty ing the uterns is sufficient (3) In advenced article processes in the lungs and in apical affections after the fourth month of the processes of the contraction of the control of the control of the fourth month of the control of the control of the sufficient of the control of the sufficient in the sufficient of the control of the sufficient in the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the sufficient of the control of the control of the control of the control of the sufficient of the control of the sufficient of the control of the control of the control of the control of the sufficient of the control of the control of the control of the control of the sufficient of the control of the control of the control of the control of the sufficient of the control of

Ludwig F Ifeus in Pregnancy Labor and the Puerperium (Ileus bet Schwangerschaft G hurt und Wochenbett) Zischr f Geburish u G, th

1913 leav 324
By Zentralbl f d ges Gynak u. Geburtsh a d Grenzgeb

The author reports of cases of sleus The cause was adhesive bands in 28 cases volvulus in 13 farge or retroflexed nterus in 10 once Linking of the mesentery and artery tumor in 25 cases obstructions in 7 invagination in 4 and hernia in 7 The small number of cases due to herms is noteworthy It may be said that pregusney offers a certain protection against incarceration of hernia Except in the cases of tubal pregnancy the comheation appeared when the uterus began to emerge from the true pelvis. The number of cases in creases toward the end of pregnancy and a con siderable number were observed during the puer penum The pregnant or puerperal uterus is rarely a direct cause of the news Diagnosis is very difficult and a careful history is important.
The prognous is very unfavorable The mortabty of the mothers was 55 per cant. In only a few cases has pregnancy continued to term and a living child born Treatment is operative. In the early months of pregnancy an attempt abould he made to preserve it at the end of it immed ate delivery should be performed.

Tylecot F E Jaundice of Pregnancy Associ ted with Jaund ce in the Off pring. Med Ch : ck 9 4 f m 465 By Surg Gynec & Obst

The author reports a case of recurrent Jaundees in eight successive pregnances — versually per sistent with annihoms and jaundice in all but the first of the eight children fatal in as of the seven affected. The patient 34 years of age was admitted for persustent jaundee accompanied by a marked for persustent jaundee accompanied by a marked the first persual part of the first part of the

six dying with convulsions doe to it. The fifth child was the only one which recovered from the join dice and it was noted that it was the only one that was breast fed.

What I Parities.

Vogt Er Significance of Kyphoscollesis in Prag mancy Labor and the Puarpertum (Über die Bedeutung der Kyphosk lose idt Schwangerschaft, Geburt und Wochenbett) Arch f Gyadh 1972 cu,

By Zentralbi I d. ges Gynik u Geburish a.d Grenngeb.

In cases of severe rachitic kyphosephoels of the spinal column the first menstruction generally appears late Maoy primipage have passed the thirtieth year Spontaneous abortion and pre-mature delivery is frequently observed Symptoms of heart manificiency frequently appear during the second ball of pregnancy or even daring labor that had not been observed to the non pregnant state. In pare cases death occurred from heart failure dur ing labor or n few houm afterward most of the women did not de bowever during or soon after labor from heart ducase but during the puerperium from complicated lung diseases. If there is marked failore of compensation daring pregnancy which does not yield readily to medical treatment im mediate artificial abortion is indicated preferably vaginal or abdominal caracrean section Operative The out delivery mast not be delayed too long look for the children is not bad The loss of blood in the third stage is gene ally increased Ru ca.

Gouldoud: Pregnancy after Myomectomy (Grossesse après myomect m.)

Lyon self., 9 4 576.
By Journal d Chruppe.

Gonlinud is a firm believer I in my metror cases of filmods number (a) to prefer him) my measure of the most number (a) to prefer him) my measure on the measure of pregancy but out of the 72 as were unifie there remain therefore 40 married women with 5 cases of pregancy but out of the 72 as were unified there remain therefore 40 married women with 5 cases of pregancy but out of the 72 as were unified there will be married women under 40 pears of age 50 whom became pregnant or 30 per cent of age 50 whom became pregnant or 30 per cent of age 50 whom became pregnant or 30 per cent of the figure is still possibly too low for 10 of 61 the

patients were not seen again
There was no trouble in the development of the
pregnancy and there were not m re than 20 per
cent of miscarrages. There was nothing abnormal
during delivery. In short the results of myunectomy are in general astud circy recurrents are rere
and tho gh pregn ncy is not frequent it is possible
and is worth that raik. I as econd operation that years

In a revent thesis Benoit Gossin, a pupil of Goul houds has collected on cases of preparacy after myometomy and besides the cases given above cites unpublished cases of Pollesson a d. 4. If from R. Lr. mit.

Bondi J and Bondi S r Experimental Study of Kidney Changes in Pregnancy (Expennentic U tersuchung über h ercaveranderungen in de Schwa geschaft) Arch (C) 41 9 4 1 89 By Ze traibl I d. ges. Gynki n Gebustish ad Gerugsh.

By Ze traiblid egs. Gynak in Geburtsh and Greungth.

From their experiments on pregnant and nonpregnant animals the authors have come to the

conclusion that the kidneys of pregnant animals are more sensitive to toxus. The function tung parts of the kidney are not equally affected. They found that there were marked differences us the reaction of different parts to urnalian and chromum while there were only all ght differences with arisen e and canthandio.

The epithel am of the unnary trabules are repectally the convoluent tubules seems very easily affected in pregnancy. If conclusions can be drewn from anound experiments it is the sea suiveness of the epithelium that cause abbumium is to many pregnances. More pronunced disturbances may cause severe neghritis. Different causes may preduce the lajurities to the epithelium As the citology of parenchyrations nephrats are generally bacterial infection frequently organized in the tonaits, to the nephritis of pregnancy this amination showered a preceding anging. The severe ordems that frequently oppers early was regarded as the result of retention of chlorider.

Kaltenschneer Function of th Ureter in Fregunacy (Ureteriankton 1a de Schwangerschaft) Zick f Gy ak Urol 0 3, 1 186 By Zentralbi, I d gen Gyask a Geburtsk a d. Grenspib

Kaltenschuse performed chromocytacomy on pregnant women a hohad no almonant symptom of pregnant women hohad no almonant symptom of the first blue color and the difference to the intervals between co tractions on the right and left useds comes to the conclusion that there is a critain degree of physiological stasss of the time in pregnancy which is due to changes in the nation cal relation of the urreters to the a rounding parts Under some conditions thus may give rue to colic

and pyehiss
In only 15 per crut of the cases was there normal
In only 15 per crut of the cases was there normal
functions with relation to the two pounts mentioned
that the control of the control of the control of the
taght, an three cases tha night neries was empty
the difference in the between the two was 440 r5
mainter tha first blue color normality preom as
about 1.4 a numues. The nt revi between control
trons which as non-bary decked about 3 second
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the right and the color of the color of the states is the

(1) from of the unever to the wall of the pelvis about to see can above the opening into the bladder By destroposit on of the uterists the 1 terruterial lagment is writted so that the trigione stands open toward the left by this torsion the first right unterline is it. I rad then the left Frank

Müller B : The Relation of the Thyroid Gland to regnancy Labor and the Puerperium in the rregnancy Lator and the respection is the Endemic Gotter Region of the Canton of Bern (Das Verhalten der Glandula thyreodes im en demuschen Kropfgebiet des Lantons Bern so Schwa gerichaft Geburt und Wochenbett) Zitcke f Geburisk u Gynāk 1913 lxxv 264

By Zentralbl f d ges Gynák u Geburtsh d Grenzgeb

The female sex shows a special predisposition to diseases of the thyroid which is probably caused by influences proceeding from the female gentalia. The preponderance of thyroid disease dates from the age of puherty almost 7 per cent of the women of the endemie goiter region of Bern trace their goiter to puberty Ninetecn per cent of the women have a swelling of the neck at this period and in some cases this swelling leads to a permanent goiter

The chief cause of the preponderance of thyroid disease to women however is pregnancy and labor It is unusual to find a normal thyroid in a pregnant woman in a goiter region. Primipare generally show a slight swelling of the thyroid multipare show parenchymatous nodular and vascular gosters The more pregnancies a woman has had the more tendency she shows to thyroid disease especially to nodular and cystic degeneration. In 57 per cent of the cases the swelling disappears again during the purperium. The decrease in size is the greatest to vascular gotters In ? per cent of the cases the swelling progresses delivery may be the starting point of a permanent gotter

Punctional disturbances of the heart are unusual in pregnancy A healthy heart is not especially affected by thyroid disease even to pregnancy Endemic goster in Bern is the chief etiological factor contracted pelvis which is so general Among the diseases of the thyroid aplasis and hypoplasia or cretinism cause the extraordinary frequency of

this form of pelvis

Kuschtaloff N J : Spontaneous Recovery to Com plete Rupture of the Pregnant Uterus (Über die Selbstheilung der vollstandigen Ruse des schwanger-en Uterus) Ziecht f Geburich w. Gy alt 19 3

nrym, 743 By Zentraibl, f d ges Gynāk u Geburtsk d Grenagab

A 37 year-old VIII para, two weeks before de-l very was expected fell from a wagoo on her back Fortal movements stopped soon after the accident The next day harmorrisge commenced and lasted four days After 4 weeks the patient was able to work again and the menses recommenced Seven months later the patient ceme with the request that the foctus be removed as it interfered with her work. Oo laparotomy the foctus was found free to the abdomins cavity adherent t the peritoneum omen tum and intestine fo the antenor wall of the uterus there was a tear 3 cm long. The feetus was freed from schesions, od removed a d the rupture in the uterus sut red Reco ery was uneventful The membranes were adherent to the fectus Micro acopically there were great changes in the mem branes skin muscle tissue and blood vessels

From his own and similar cases the author comes to the conclusion (1) In spite of recovery the capacity for work of women who have fortuses to the abdomen is decreased (2) Such fortuses are al ways a menace for the rupture in the uterus leaves an opening through which bacteria of putrefaction may reach it (2) The kind of microscopical changes in the organs of the encapsulated foctus depend on the presence of bacteria of putrefaction (4) Spon taneous recovery does not take place in complete moture of the uterus

Schoots, F Rachitic Pelvis Simulating Osteoma Iacia and Pregnancy (Pseudo-osteomalacuches [rachtiaches] Becken und G vidit t) Ween med Websuchr 914 kmv 57 By Zentralbi f d ges Cynak v. G burtsh s d Grenngeb

In the pelvis of osteomalacia the pubis is very narrow to the rachitic pelvis it is very wide this being the distinguishing feature hetween the two The pelvis of pseudo-osteomalacia is very similar to that ol ostromalacia but is ceused by rickets the acetabula are pushed forward and the public hono is sarrow This form is very unusual in adults and is only found when the nekets has been of extreme degree In the author s case there was a two months pregnancy The history showed that the patient had not walked until her fourth year her luogs had been affected since early life and later she was treated for opphorities at that time she was told that normal delivery would be impossible for her She was 132 cm in height the diagonal conjugate 8 7 the true conjugate 5 7 to 6 7 She had a short plump thigh with the tibue very much bowed Because of the narrow pelvis and the lung disesse abortion was in dicated Sternization should also be considered

LABOR AND ITS COMPLICATIONS

HEIMAN

Stempel A Extraction with Kustner & Breech Forceps (Z r Extrakton nut Kust et' Stesshaken)

Linck f G b risk st Gynäk 9 3 knut, 487

By Zentralbl f d ges Gynak u Geburtah s d Grenzgeb

The suthor has used Küstner's breech forceps in three cases with good results. The forcers should be applied only to the posterior hip the anterior hip serving as a fulcrum The technique vanes with the case If spplied only to the posterior hip and the right technique he used this method is a useful and narmless one for both mother and child in cases where the anterior foot cannot he brought done sed a purely manual extraction is not possible It seems destined to reduce the mortality of the infants in breech cases SCHIFFMANY

Philips, T B Dell ety of Two Children f om a Doubl Uterus (Doppelte Geb t bei Uterus duplex) Vederl T jd dir v Genessk Amst 9 4 By Zentralbi I d ges Gynak, u. Geburtsh d Grenageb.

The case is that of a 33 year-old prim para whose phys cian at the heginning of pregnancy had mads a

six dying with convulsions due to it. The fifth child was the only one which recovered from the Jana dice and it was noted that it was the only one that was breast fed. Wig. D Partiers.

Vogt E.: Stanticance of Kyphnicollosis in Freq nancy Labor and the Fuerperium (Uber die Bedeutung der Kyphoislouse für Schwangenshalt, Gebort und Wochenbett) Arch f Gynsh gi4 cu 60

By Zentralbl. f d. ges Gynäk u Geburtsk s d. Grenzgeb

In cases of severe rechitte kyphoscolosus of the apinal column the first menstruation generally appears late. Many primipare have passed the thirtieth year Spontaneous abortion and pre-mature delivery is frequently abserved Symptoms of heart insufficiency frequently appear during the second half of pregnancy or even during labor that had not been observed in the non pregnant state. In rere cases death occurred from heart failure dar ing labor or a few boure afterward most of the nomen did not die honever during or soon after labor from heart disease hut during the puerperium from complicated lung diseases If there is marked failure of compensation during pregnancy which does not yield readily to medical treatment im mediate artificial abortion is indicated preferably vaginal or abdominal casarean section Operative delivery must not be delayed too long The out look for the children is not bad The loss of blood in the third stage is gene ally increased Rongs.

Goullioud Pregnancy after Myomectomy (Grossesse près myomoctome) Lye méd, 914 976 By J uraal de Charage

Goulhoud 21 a firm behever in myomectomy his case in fibreeds number 648 in 74 of which myo meetinmy was performed and abdomnal hyster ectomy in 574 which gives 11 per cent of styneociouse. Meet these 74 myomectomes there were five eases of pregnancy but out of the 24 35 were five eases of pregnancy but out of the 24 35 were five eases of pregnancy but out of the 24 35 were five eases of pregnancy but out of the 24 35 were five ease of pregnancy but out of the 25 miles of the pregnancy word have been rare without myomectomy. This leaves 6 married women under an years of age 5 of whom became pregnant or 20 per cut. This figure is still possibly too law for 6 of the patients were not seen again.

There was on trouble in the development of the pranty of there were not more than zo per cent of miscarriages. There was nothing abnormal during delivery. In short the results of my omectomy are in general satisfactory recurrences are are and though perganancy as in frequent it is possible and is worth the risk all a second operation ten years later.

In a recent thesis Benoit Gossin, a pupil of Goul houd a has collected on cases of prepancy after myomectomy a d besides the rases given ah vecites 2 u published cases of Pollosson and 4 of Témoin. Bondi J and Bondt S.; Experimental Study of Kidney Changes in Pregnancy (Experimental U tersuchung übe Niermreilanderungen i der Schwangerchaft) Arch / Gyall v. q. a., bo By Zentrabl. f d ges Gyalk. u Geburth s. d. Grango

From their experiments on pregnant and nopregnant animals the authors have come to the conclusion that the kinderys of pregnant animals are more sensitive to tozum: The functionating parts of the kindery are oot equally effected. They found that there were marked differences in the reaction of different parts to unalism and chromium while the contract of the contract

The epithelium of the amany thules and especially the convoluted thules seems very easily affected in pregnancy II conclusions can be drawn from animal experiments it is thus sen attiveness of the epithelium that causes shum mins in a many preparadics. More pronounced disturbances may cause severe nephrits. Different causes may produce the liquities to the epithelium As the etiology of parently matous nephrits is generally bacterial infection, frequently angusting in the totalls, in the nephrits of pregnancy this generally bacterial infection, frequently angusting in the totalls, in the nephrits of pregnancy this product of the considered and present the contract of the product of the contract of the product of the contract of the contract

Kaltenachneer Function of the Ureter in Pregnancy (Ureterimization in der Schwangerschaft) Züter f Gradt U el 913 v 180 By Zentalbi f d ges Gradt u. Geburtsh d. Grensph

Kaltenschner performed chromocystosopy on go pregnant women when had on abormal symptoms and from the difference in time in the appearance of the first blue color and the difference in the Intervals between contract in so the right and left selfcomes to the conclusions that them is a return the gree of physiological stass of the more gree of physiological stass of the more relationship of the unterts to the surrounding parts Under some conditions this may give use to color and pyelius

In only 18 per cent of the cases was there normal fu ction with relation to the two points mentioned above In 44 per cent the right ureter excreted later than the left in 14 per cent the left later than the right in three cases the right ureter was empty The difference in time hetween the two was 14 to 15 minutes the first blue color normally appears la about 44 m nutes The int rval hetween contract tions whith is normally about 30 seconds was waequ i in 9 cases being delayed about 17 seconds on the right side The cause of the stass is the faation of the uret to the wall of the pelvis about so to seem by the pen g to the bladder By dextroposition of the uterus the saterureteral Leament is twisted so th t the trigone sta de open toward the left by this torsio the first right ureter is kinked and the the left

Muller B The Relation of the Thyroid Gland to Pregnancy Labor and the Puerperlum in the Endemic Goiter Region of the Canton of Bern (Das Verhalten der Glanduls thyreodea im en demische Kropfigehet des Kantons Bern u Schwangenchaft, Geburt und Wochenbett) Zirche

f Geburi k u Gynak 19 3 lxxv 64 By Zentralbl. f d ges Gynak n Geburtah s d. Grenageh.

The female set shows a special precisposition to disease of the thyroid which is probably caused by influences proceeding from the female genetals. The preponderance of thyroid desired desire from the age of puberty almost 7 per cent of the women of the endemic gener region of Electron the women of the endemic gener region of Electron the women that a wrelling of the neck at this period and in some cases this swelling leads to a permanent genter

The chef cause of the preponderance of thyrodicease in vome, however is pregancy and labor It is unistal to find a normal thyrod in a pregnant woman in a gotler repon Frimpars generally abow a slight swelling of the thyrod multipars abov parenchymation nodular and ovascular gutera. The more pregnancies a woman has had the more tredency also shows to thyrodicease especially in nodular and cystic degeneration. In 37 per cent of the cases the swelling disappears again during the purpenum. The decrease in sue as the present in vascular guters. In 37 per cent of the cases the swelling the spirit in vascular guters. In 37 per cent of the cases the swelling progresses delivery may be the starting point of a Permanett stater.

Functional disturbances of the heart are unusual in pregnancy. A healthy heart is not especially affected by thyroid disease even in pregnancy. Endemic goater in Bern is the chief etiological factor in contracted pelvis which is so general. Among the diseases of the thyroid aplata and hypoplasas or cretinasm cause the extraordinary fraquency of

this form of pelvis

Kuschtafoff N J 1 Spontaneous Recovery in Completa Rupture of the Pregnant Uterus (Uber de Selbstheiung der vollständigen Risse des schwager Uterus) Zit år f Geb risk u Gy åk 9 3

Exvisi, 743 By Zentralbi I d. ges Gynak a Geburtah d. Greazgeb

A 31 year-old VIII near two weeks before development of the control of the contro

From his own and similar cases the author comes to the conclusion (1) In spite of recovery the expectly for work of women who have feetuses in the abdomes of etercased (2) Such feetuses are always a menace for the rupture in the uterus leaves at opening through which bacteria of participation may reach it. (2) The hand of microscopical changes in the negates of the energy distribution (4) Spontaneous recovery does not take place in complete rupture of the uterus.

Scheuts F Rachitic Pelvis Simulating Osteoma lacia and Pregnancy (Ps udo-osteomalacisches jrachusches) Becken und Graviditat) IV sex.

med Webnieler 1914 Inv 27 By Zentralbl. i d ges Gynak u Geburtan s d Grenzgeb

In the pelvis of osteomalacia the pubis is very narrow in the rachitic pelvis it is very wide this being the distinguishing feature between the two The pelvis of pseudo-osteomalacia is very similar to that of osteomalacia but is caused by rickets the acetabula are pushed forward and the pubic bone is narrow This form is very unusual in adults and is only found when the rickets has been of extreme degree In the anthor's case there was a two months pregnancy The history showed that the patient had not walled until her fourth year her lungs had been affected since early life and later she was treated for cophoritis at that time she was told that normal delivery would be impossible for her She was 132 cm in height the diagonal conjugate 8 y the true conjugate 5 7 to 6 7 She had a short plump thigh with the tibue very much bowed Because of the narrow pelvis and the lung disease abortion was in dicated Sterilization should also he considered

HEMANY

LABOR AND ITS COMPLICATIONS

Stempei A Extraction with Kustner a Breech Forceps (Zur Extraktonomit K stare' Steeshaken) Listin f Gebatth a Gyald og 1 kmu 437 By Zentralbi f d ges Gynak u Geburtah a d Grenzgeb

The author bas used Ku tner's bracch forceps in three cases with good results. The increeps should be applied only to the posterior h p the anterior hip serving as a fulcrum. The technique varies with the case. If applied only to the posterior him and the right technique be used this method is a small the right technique be used this method is a force of the contract of the contr

Philips, T B Del ery nf Two Children from a Doubla Uteru (Doppelte Gebut bet Uterus du plen) Naieri Tylair Geoscati Amst 91 A 9 63 Br Zestralbi i d ges Gynsk u Gebuttah d Grenzgeb

The case is th t of a 33 year-old primipara whose physician at the beginning of p egnancy had made a diagnosis of double uterus A septum could be felt in the vagins and the fundus showed a deep depression in the middle On the 26th of August there was spontaneous ruptare of the membranes with an opening if 3 cm There was breech presentation pains in both horns of the aterus often anequal in degree On the 27th of August at noon dilatation was complete and a living child 50 cm long neighing \$120 gm was extracted. The placents remained and the left uterus became smaller On the morn ing of the 28th on account of hemorrhege the left placenta was expressed by Credes method and the membranes on the right ruptared On the morning of the 29th there was a slight rise in tem perature 38 5 A living girl was extracted weigh ing 2860 gm and 46 cm in length Three hours latte the right plarents was removed manually the left a terus was found to be well contracted and the os closed The puerpenum was normal The first child had taken the breast before the second was born On the 18th of November the patient was examined again the septum was still present in the vagua Both children were nursing and each weighed 1700 gm STRATE

Zalewski E. Daplication of the Fernsie Gentralia and Its Consequences in Dell ery (Doppelmusbidingen der wehlschen Gentralsbare und üre Felgen in die Geburt) Arch f Gynth gus en

Folgen id die Geburt) Arch / Gynzh 914 en By Zentralbi I d ges Gynzh Geburtah d. Grenngeb

This paper constitutes a report of 14 deliveries in cases of duplication of the aterus of varying degrees with and without involvement of the vaging Complications during delivery were frequent There was a tendency in abortion and apontaneous premature delivery a huormal presentations inter-ference with delivery by the vaginal septum pri mary and secondary mertia retention of placenta and hamorrhage which may be caused by the placenta being situated na the septam of the nterus and hamorrhage from ruptare of the septam in the uterus An especially interesting case is one of twin pregnancy a fortus heing contained in each half ni the nterus and the b rth of the second child being very m ch delayed In another case pre mature delivery was induced on account of con teacted pelvis and the bag inserted for this purpose entered the empty half of the nterus, a malating rupture of the aterus, hat no serious complications Itemoo took place

PUERPERIUM AND ITS COMPLICATIONS

Donaldson, A A Case of Puerperal Pever Associated with the Enterocuccus. J P the brain forms of 4 xvn, 460 By Surg Gyne & Obst

Donaldson reports a case of puerperal fever associated with the enterococcu in a multipara. On the eighth day aft parturinto the patient compla net of pain at the base of the right 1 mg and her temperature rose in o.4 F. In a pate of treatment the temperature remained with a slight morning remission. The days later a cutherts specimen of times was found to contain pursuance of the contain pursuance of the contain pursuance of chains composed of a somewhat closure of propositive occurs stranged in pursuance the capacity occurs stranged in pursuance capacits around them. Many were present simply as isolated diplococci. A pure growth has sailly obtained on agar and in broth in twenty four bourn The same organism was isolated from the aterns It was not found in the blood. A vaccine was made and administration.

and admissistered
Following the second dose of vaccine the temperature fell below normal far the first tume in wenty
days. It rose again that faire the fourth injurtion
and the administration of activit salicy's acid it
remained as bancemal. During the rase the patient
developed pain and tenderness in both tughs. Sie
gave a lustory of previous illentess in which enteric
fever and dysentery seemed to play an important
part. The bacteriology of these conditions has

not been investigated

The author then enters into a minute discussion of
the heteriology of the organism found

He reaches
the following conclusions

The organism appears to be a harmless saprophyte which may assame a mild degree of variables. Its normal habitat is probably the intratine

since the majority of lesions caused by it may he seferred to the gut or to its vicinity 3 Morphologically there is nothing safficient

3 Morphologically there is nothing sametime to mark it out as a species deserving of special recognition 4 It is characterized by longevity and by the

fact that it will grow fairly well at low temperatures
(15° C.)

5 This last fact and its sugar reactions serve
to meet it off from the pneumococi while its

to mark, it not from the pneumococci while its growth on solid media and its sugar reactions en able it to be distinguished from streptococcus mucosus and other rapsalated streptococcus

6 In its sugar reactions it corresponds most closely with streptococcus facalis

7 From a consideration of these facts there seems no justification fo a special name—enterococcus since it appears at most in be merely a variant of the facial's group Eowam L Committee of the facial's group Eowam L Committee of the facial services of

Allmann Inversion and Total Prolapse of the Puerperal Uterus (t vers et Frolapses totals uten puerperals) Peul de med tich zel 9 4-11, 2 By Zentralbi f d ges Gynik Ceburish d Grenageb

Two of the author cases are described. The first was that in a Sye old III pare is whom severe hamourhage began shortly after spontaneous delivery. The author way he made a first state of the state of

In the second case the physican had perfurmed Crede seprements for severe harmorrage and caused a total saverum. The patient was admitted to the author't houptail two hours later but the terms could not be replaced Total extingation and the attern by the abdomnal route was therefore perfurmed and the patient discharged well after two weeks

Any port of incison may cause inversion and pressure may start but nat complete! It has prognous be unfavoreble. The best treatment is proplaces and unnecessary manupulations of the faced uterus are especially to be awaded. Treatment must takenton consideration also beamedage and shock but to general immediate repositionabould be attempted. Io complicated inversions about the properties of the complexity of the complexity

the danger of shock is not so great

Severe homorrhage must he treated by the usual methods Sudden spranging heck of the usual methods Sudden spranging heck of the usual must he presented and if reposition is outside the support of the su

Peterson Lai A Case of Rupture of the Cervis Post Partuns (Elo Fell o Repture colli t n post part m) F sid Lik Mendi 913 by 744 By Zentralbi f d ges Gynak n Geburtsk d Grenzgeb

A 22 year ald woman who bad always been sell gate burth in a fortus in the eighth munth all pregrations; after three days labor it was delivered through the postenor wall of the rervix. The aire of the pleby as normal the cervix and caternal or normal. Na process which could have huntred the space in the pelvas could be demoustrated. The wants became preparant repeatedly but the pregramment became preparant repeatedly but the pregramment of the present of the various affects could develop in maturity. If pregnancy should occur again conserve octions sould be indicated.

MISCELLANEOUS

Green R M Intracranist Harmotrhage in the New Born Bosto M & S J 1914 clex 63 By Surg Gynec & Obst

The author reports seven cases of intracranual hemorrhage in over born babies giving the post mortem findings. In two cases there had been a difficult faceps delivery a din mae a low forceps of llowing a technica labor. Two cases occurred after what is exemed easy labora. And there were two cases of harmorrhagen accountants. His conclusions are

Intracranial hamorrhage may occur in the new horo either from the trauma of operative or

normal labor or in association with harmorrhagica neonatorium

s It often does not present the typical clinical

3 Its presumptive diagnosis depends on early recognition of refusal in nurse pallor, and slight facial ordems which may be confirmed by the ap-

pearance of rouse classic signs

4. Diagnosis may be positively established and some therepeutic rehel afforded by lumbar puncture when the hemorebege is infectential in by eranial puncture when the hemorrhage is over the cerebral convenity.

5 If these measures fail in give relief operative decompression by craniotomy is indicated.

6 The majority of intracranial hamoreheges in the oew born are subdural but intraventricular hamorrhages may also occur

7 The source of bleeding may be from laceration of the tentorium of the choroid plexus of the longi

tudinal sinus and of the pial vessels

8 To cases associated with harmorrhagic disease
prehimnary transfusion may be indicated before

craniotomy

o The gravity of the prognosis demands an enlightened prophylaxis by svoiding all unnecessary

occassoo for feetal trauma C. H. Davis
Grone O. Epidural Harmatoma in the Spinal
Canal of the New Born (Epidurales Hamatom im
Reckennas lukusal br. Neugeborsom). Zni albi

Ruckenssa kakasal bes Neugebornnen) Zeni albi f Gynak 10 3 xxvn 840 By Zeniralbi f d ges Gynak a Gebu tah s d Grenageb

This is a report of four cases of epidural homotoms in the spanal canal without visuals lajury of the tertebra in ligaments. The author believes that such cases are more frequent then is generally known because on autopay the spanal canal is acidom operade. Expressly in small children,—for example twins—and permuturely born children he cample twins—and permuturely born children he twins—and permuturely born children he twins—for more continued the spanal continued that we will be the versels from common of the spanal continued that the versels from to common of the spanal continued that the cases described the twinsels and the section of the cases of escaped to the continued that the case of escaped to the case of th

K HOPPMANY

Bratistrom, E.; A Case of Quadruplets from Four Ova, with a Discussion of Quadruplets in General (En Fall von viertuge Vieringen nebst enagen Beobachunge in beaug auf Vieringsgeburt im aligemennen) Alla S Lth 93

By Zeatraibi I d ges Gyank u Geburtsh, d Grenzgeh A 3s year-old multipara hersell a two gave

A 34 year-out multipara hersell a two gave hat to equatuplets negling 400 373 195n and 17an gms respectively. The maternal grand mother and me aster at the patient had borne trapkits All finur ch idens sere boys and three wers born alwer. They showed all the sagns of matunity and a tern sell occurshed. Since the mothers in the feet and sufficient it was supplemented by some bother on the feet and for the third day after both all three abowed shight storms. One of the three deed after

for weeks of general delatity the others never and well. The collection weight of the placents was tood gain. There of them we expert red by well mathed septa the other was completely separa or The intrust had beschool from four separate one. In Sweden from 1931 to 5000 at 78 \$5000 jps 1 into three we 66 cases of 19 stupples.

tilo stantis.

Rallintyne J W 1 Stilltertin Regi trution J (R 1 & Cynet B at Emp. 11 4 - 518 Ry Surg Cyme & Olst.

this article is pelled with a pert to leith registation and particularly to the queries of a lill lith. While arknowledgeg that some ell is perpositions are revolutionary as larating legalities in legions are two ethers the author "re the following definition is not repaired to a some entire to the control of the following definition is not repaired in the following definition is not repaired in the following definition in the registration in the

rules you run guild state the 1 for du think the compact expulsion from the material I rik tanal of a chill which by a se before I rik has lost it theracters of anie at 1 ft expectably beart least metal pel ato an I

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polosal a lin the rest a lid to the other harrest as
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our money temple too are length.

t for at Blich it is milite up a a front be or terilibrit canal of a child which we contion group in one or most of the of an ebat the lattest artial pulsar in or se minimal faith at a were these of post and the lattest artistic properties of the small be my unmounty respective try the etand then e the force even the characters of an enastal ble or 1 success the resource left in the properties.

of lor alcoton or me trage the 1 mm atomouth 13 th especial on of the to the his as month 13 th especial on of the uterase on trait it suggested. A permature 1 rth me reput in 1 the uterase content at c the six hi nar room histable per the 1 it term and it may be used in the help that of a the history of the the training the lore that it has belief the 1 it term and it may be used in the help that of a the history of the training that the t

Murray 1 The Immunological Relation hips of Nother Forth and Placenta Med For t & Core 1914 Seed, 435 By Surg Green & Unit

The speciment I work of recent search it do not retried to the relation by not mober and it of the is comprabl. It is comprable the to that of host and pass rise than to make more more than to the relation. I more many the relation is to the relation to

Although the resemblance between anaphylasa an I erlampera is purely superficial the author beleves there is an excuse for julping ecl mous t be an anaphylat in pregoancy I spenires al work in various laborato sea makes it certain that us animal can be sent tized by an loject; n of places a from I town species Placenta seems to be the 'y extracts under the same combtions a I not do so This remarkable sreal makes it plain that there is some factor in the placents of any species which f ahen to the blood of that very species Sen mes tion it never level pel with purely homoloms trials. Placenta must contain some body Laown ar an antigen which is capal le of produce g antilodies in the species, first is the st mulat g of the lody tiesure and fluid to immuoze themselves. That sen disation has occurred it really proved by the anaphylasus which immediately follows a secon I an I larger injection,

It has been proved that pregns t animal are already see theel to pl cents at the ingle larger seed done of it produce anarchistic. The is not

in hell is very early pregnancy.

There is real-most that there is some a gencommon in lectus and places a aran a mall enutiered to feet I serum can be made an phylacia
when placen all extract in the account apertuallower r the author befores that the ang or
pregnatory is a purely placestal and and services.

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L implement fishion restrion which demonstrate
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u sections in the fullest development of trophohapter act itses.

By reams 1 all genors and defeat appet in he was W what I "Indomer a shaherteases the et sold flu in all two input placed in juriposition it in prosably particularly to the latter routhed pregrancy to show a distance results show yet and entire the pregrat server and compared with placed entire the prograt server in all year in antitoritions and oil disterts at but it all year in antitoritions and oil interest at but it shows an ine less of dier p from the ant per antitody service already described.

The thor fractives truely the Universities dualytic rection a listates that like other actions in holy rea toom it is better in theil to early pregnancy C if D vis.

Behna K. Can un F by Di gneal of Freenancy be stade in Low with Abderhaldera Distribi (Last u h mt 4bde halden thalyn ri finne bed lather d Tri hunk i tribus tig erk on 1 2 mail of Crust of a 1 pt By Zentrikl i d gen 1 mak Cebursh a d Grenzel-

The kiel generological climic does not believe that had sue go ca a pe it rearting for prefusing kurn recently perference a series of specim no mile

cons 2 of which were pregnant in the first month 8 in the second 6 in the third, 4 in the fourth and 4 in the fifth Almost all the sere were tested with both the maternal and fortal part of the placents A dose of 2 5 ccm of cow's serum was regarded as

the cottmum dose The results were as follows With a dose of z com of serum all four of the pregnant cows examined reacted negatively With a dose of 1 5 three coma were tested with both parts of the placents and gave a questionable reaction A non pregnant cow gave the same reaction Another non pregnant cow reacted negatively With a serum dose of a cem the reaction in 6 pregnant cows was not definitely positive With a serum dose of a 5 ccm among twelve pregnant cows tested half reacted negatively Of the rest unly three gave a certain though naly weakly positive reaction two with the maternal and one with the fortal part of the placenta Of the o non pregnant cows tested with the same dose of serum the reaction was completely negative in only 5 cases 3 of them reacted positively in its present form Abderhalden s dialysis does not give a

certain diagnosis of early pregnancy BEYTEEN R. L. M. The Valu of Abderhalden a Tests in the Diagnosia of Pregnancy J Ob: br Gy Bril Emp 9 4 EN 53 By Surg Gynec & Obst

This article 1 rether in the nature of a critical review of work already done At the same time the author reports his own results based upon tests of the era of 50 pregnant women In hrief his couclu s o s are

The serum of pregnant wanner contains a specific ferment capable of d gesting placental tissue and this ferment can be detected from the eighth neek of pregnancy until ten days after delivery both by the optical and by the dialyzation test

s That both tests should always he pplied to the s rum from the same case and that the accuracy of the results depends entirely upon the most scrupulous care in details of technique

3 That the tests appear to be of value in diag nosis more especially in the following conditions () The early d agnosis of pregnancy () the dif ferential diagnosis b tw en fibromyomata and pregna cy (3) the diagnosis of ectopic gestation (4) the diagnosis of chora-epithelioma and (5) the presence ni retained placenta

4 That there is at present no justification for stat g th t the serum of pregnant nomen will

d gest niber than place tal tissue 5 Th claims of Abderhalden that the optical and dialy ation tests are nf value in the diagnosis

nf pregnancy are established CARE CULREGISOT Praenkel C. Serum Diagnosis of Pregnancy (Ein

Bestrag ur Serodiagnose de Schwingerschaft) Berl ki il kasch 9 3 1 8 By Zentr ibi i d ges Gynak u Geburtsh d Greuzgeh Where pregnancy was known to be present the ntiproteolyt c power f the mothe a serum was

alaxys sucreased In chnically doubtful cases this increase was not found in the ones that turned out on forther observation not to he pregnant but it was found in those that were really pregnant There was only one exception to this a case of high antitryptic titer without pregnancy The sera of the non pregnant cases in most instances showed no increase in the antitryptic titer but there were a few rare exceptions

The reaction is almost as marked in carcinomatous sera less to in patients with disease of the adnexa Therefore the determination of the antiproteolytic power of the blood may be used in the diagnosis of pregnancy to the extent that a pegative reaction proves the absence of pregnancy while a positive reaction must be accepted with some reservation as there are some exceptions. JAEGER.

Miller J W 1 Corpus Luteum and Pregnancy the Youngest Human Overn Obtained by Opera tion (Corpus I teum und Schwangerschaft das jugate operati erhaltene menschliche Ei)
Beil it a. Web k 913 i 365
By Zentralbi I d ges Gynal u G burtah s d Grenzgeb

Ovulation precedes menstruation by about 9 days as shown by the experimental work of Fraenkel and Hitschmann Adler Therefore the limit for fertilization is about 18 days after the beginning of the last period or in women who menstruate every three weeks about It days

Miller proves the epithehal origin of the corpus luteure by demonstrating colloid drops inside the cells which are produced only by epithehum. The fresh corpus luteum gives no fat reaction neutral fat can he demonstrated only after the beginning of degeneration the eighth or minth week The cor pus albicans arises from the disintegration of the latty lutern cells by hysline degeneration of the

connective tissue reticulum

The corpus luteum of pregnancy is characterized by collind drops and calcium concretinns with negative fat reaction. The corpus luteum is a periodically formed gland with internal accretion which causes mcreased size and turgor of the organ in the reproductive years cyclic transformation of the endometrum into decidus and insertion and development of the ovum and menstruction of le to not impregnated

The author describes a case of removal nf a cystic corpus luteum by laparotomy in a patient pregnant 7 n 8 weeks there was degenerat on of the product of pregnancy without abortion. It is always the ovum of the first mused period that is impregnated implantation takes place out at the close of the lest period but shortly before the time of the first missed The premenstrual change in the uterine mucous membrane is caused by the corpus luteum As impf neation takes place at the end of the first massed period the hitherto accepted duration of pregnancy must be reduced by about 10 days. The t vicoses of pregnancy including eclampaia probably arise from a hypofunction of the corpus luteum and adr nals

Menstruation is only a kind of personle unburdenting of the hypercuries terus and he no importance in conception. The meastrust blood is probably the nutritude fluid for the owns and is discharged after the hereklag down of the ness of the own. Rutling and meastruation are developmentally and physiologically different phenomens. The implantition results from the active penetration of the ovum between two gland upcausing. Both components of the trophoblast need feels only in Tec. repullary endotherium and the gland epithelium are purely measure.

bon Nettgebauer F: A New Series of 73 Cases of Twin Pregnancy with One Ovum Implanted Inside the Uterus and the Other Outside (Lue se e Serie on 71 Illies isochroner is terot per 2 lings advangeracheft das eine 1 is a trauterin das indere estra teru implantiert nebat Schlusserfolgerungen) Gyndt R adecker 1913.

lly Zentrelli i d ges Gyalk u Geburt h a d Creargeb The author had previously published a mono graph on this eubject and has since collected re

cases from the literature making 2;3 la all. The conclusions from all the east ites are as follows. The frequency of each cases increases with progress in diagnosis and concealing experience. In the

reas in diagnosis and operative expensions. In the first 1 o cases the right diagnosis was made only 7 times before operation while in the present sence of 73 cases it was made 8 times.

The fate of the tatre uterase foctur was not given as excess in tro cases there were abortion 37 of them spontaneous and 33 after surgicial operations, 73 of the utering fregmaneity are 76 mature and bring children there being terms in side the uterins in three eases 35 of these children were delivered by abdominat function

It is hard to tell what became of the estre utenne features for a most cases there was no precise in formation. Among 38 cases the entra utenne fective was extracted mature and living by abdoma nat incusion 6 times. It not less than 35 veres both matter than 100 to 10

The murtality is constantly decreasing and will decrease etill more when operation is always per formed at the right time before the saman has lost too much blood. When entra uterine programs is known or suspected operation should be performed at nine regardless of whether there is at the same time an air use in pregnancy or not Jacus.

Routh, A. The Need for Research in Antenatal Pathology B d H J 0 4 t 90 By Surg Gyuce & Obst.

The author stetes that in the ctudy of antenntal pathology it is accessary to det rmine how prierrial and maternal disease of g spinlis, tuberculosis general diseases of the mother— uch as smallpox, pneumnnia dishetes, traxemiss of pregnancy etc.

affect the lertilized ovum in its embryonic and in its fortal etages. Also the pathologist who would succeed must femiliarize himself with post natal pathology is all its variations

Research can only prove whether in cases of maternal siluminutra or eclampaia the feetal organ participate in the pathological changes found to the mother in these diseases. In each serious and often itsial maternal toxic diseases every effort is conceatreled upon the mother and pathology of the feets with the soften dead is label to be diserreded.

Bacteriology has led to the duces ey of the specificgrenia many maternal disease which cause fortid death and hence the task has now hermee much call the specific cause in the case of spyhols stace not only the epocific cause is known—spire chest prild as—but the means of making a positive diagnosic and groung apecific treatment is at head. South believes, as do many affects, that the infetence of the specific cause is a specific treatment in the infetence of the spire of the spire of the spire of the bast the maternal infection is trensplacetal. The effect of ephth in in causing electrons are entillating is still screatifically at least a debetable question Chinachly there is strong evidence to prove that

syphile is a ceuse of abortion a d slijibirths.
Antenatal tuberculosie according to Breuh
authorities is almost non-existed. Very few
children at hirth show evidences of clinical tuber
culosis and to prove or disprove the presence of
antenated tuberculosis is a problem not yet sol of

To further the ep nt of research Routh suggests that all genered and lying in bospitals he provided with anienatal research laboratines, so that the pathology along with the chinical observations of every abortion and stillborth can be reported.

Havey B M research

B lat R C. Two Cases of Pregnancy in Uterus Subseptus. B R H J 0 4 1, 907 By Surg Gynec & Obst.

linust reports two cases of pregnancy in uterus subseptus and refers to one previously described all having been seen within air months. Just how frequently mailormations in the uterus occur it is impossible to say, but the quiration of their if ence on the remital functions to for practical; terest

The chief distu baace in association with preg-

cancy are

r The second cavity has been said in esplain
cases of menstruation occurring during pregnancy
as the other

2 The formation of deciding in the second cavity may call for its definite expulsion t delivery and may give an unu und form of hamorrhage into partum or post partum.

3 The unequ'i development at the atenne walls may provide a source of irregular contractions duing labor or post partum caturing delay in d livery or post partum hamorrhage respectively.

4 Rupture of the arregul ly developed nierus has been recorded freque thy both at the jundus and at the cervax Hawky B M renews

Jaschke R T Examination of Kidney Function in Pregnancy (U tersuchungen ber die Funktion der Nieren in der S hwangerschaft) Zis ir f gynäk U al 1913 iv 93 By Zentralbl i d. ges Gynák u Geburtsh d Grenzgeb

Formerly the judgment of the Lidney condition in pregnancy was based too much nn anatomical changes the function being scarcely considered at all The anatomical changes esnnot explain the wide differences in individual cases The author carned out functional tests by \ on Schlayer s meth od no 20 normal pregnant women with urine free from alhumic and got noteworthy results

According to Schlaver the excretion of potassium jodide gives information as in the condition of the tuhules, that of milk-sugar as to the condition of the vessels Almost all the eases showed an acceler ation in the excretim of potassium todide of 24-18 hours -normally n 5 gm potassium todide is excreted after 40 hours The milk-angar excretion on the contrary was delayed except in three cases to as much as double the normal time which is r gm in s in 5 hours

The hastening of the potassium lodide excretion indicates an increased functional activity of the tubules which the author regards as a process of adaptation to the pregnant condition Io 4 pathological eases the test showed a delay in the milk sugar excretion in one case to 33 hours, and also a delay to almost double the cormal time for the potassium sodide excretion. In the puerperinm there was an e traordinarily quick return in normal Perhaps the fonctional decreased sensitiveness of the blood vessels in the decrease of the diurests and the salt quotient plays a great part Dogw

Hendley P A Pituitrin in Labor B # M J rote By S rg Gynec & Ob e

Hendley strongly favors the use of pituiting when the indications are present and gives a word of warning against its use in those cases presenting any

obstruction in the presenting pole. It is invaluable in the long-drawn-out first stage of labor especially where the membranes have ruptured early causing a dry labor It is a powerful remedy in the treatment of shock and collapse and the excitement of a highly nervous unman is calmed in an extraordinary manner

The author further states that recovery is hastened and patients who have had pituitrin administered always ask for its repetition. Again he has never had a case of post partum retention of urine nor a severe post portum hemotrhage following Its ad ministration. If slight post partum hamorrhage supervenes a further dose will control it

A sample technique for the routine method of administration of pitoitin is given following which is a report of 60 cases demonstrating the efficacy and salety of the drug HARVEY B MATTHEWS

Herron D A.: Pitultary Products in Obstetrics St Paul V J 1914 EV 237 By Surg Gynec. & Obst.

The author discusses the physiological action of the extracts of the posterior inbe of the pitultary body reviews briefly some of the hterature regarding their use and makes some deductions from his own expenence with these preparations 10 a senes of at delivenes

In his series of cases where pituiting was not used the average duration of labor was 10 to as hours as agunst as hours and fifteen minutes when it was employed Fiftren cases which he had thought would be difficult labors if not operative cases ter minated spootaneously after the use of from one to two com injected intramuscularly. He agrees with the generally accepted notion that it should not be given without good dilatation or in primiparae with ngid pennel He is of the npunion that it is more prompt and more rehable than any other naytocic more powerful than any hut ergot, and if used nuly as indicated harmless to both mather and child.

C D HOLDES.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Jump II D Beates Jr H and Babcock, W W:
Precoclous Development of the External
Genitals Due to Hypernephroma of the Adenal
Cortes Am. J H S 1914, calving 54

The authors report a case of the above briefly summarize the literature on the subject and suggest a new theory in explanation of the phenomenon

By Surg Gynec & Obst.

The subject of the case report a gut began to develop rapidly both phys cally and mentally when one year old. Hair appeared at this time on the pubes in the axillæ and over the legs and trunk in the order named When she began to talk her youce was pitched much lower than in the normal child and by the time she was seven it was a deep bass. At this time the skin of the face became rough and red from an acue eruption and she developed a beard A tumor in the right hypochondrium was then first observed although search had previously been made for one. The tumor grew rapidly so that made for one fact time grew rapidly so that three months after its first appearance the abdomen was greatly distended and dyspaces was marked The labia were very large and thick. The chtoms was one inch long and half an ioch in diameter and notched on the under surface so that it resembled a hypospadic penus. The patient did not men atruate

The child died three hours after operation for the removal of the tumor a hypernephroma of the adrenal cortex At post mortem examination the uterus, ovaries and pituitary body were found normal.

In explanation of the curious overgrowth noted, the anthors call attention to the relation between the adrenals and the pitoitary body described by Sajous In regard to treetment they suggest early operation lo all cases presenting similar symptoms, as the prognosis without operation o with late S W MOOREEAD operation is absolutely bad

Saviozat V 1 Study of Perirenal Tumors (Contributio à l'étude des tumeurs pararésales) I mers By Journel de Chaurge 1913 III 207

The author describes a case in a woman of 60 who was very pale emacrated and cachectic and whose abdomen had been meresa g in size for a year a d a half An irregular swelling which could be felt on the right side was hard and fluctu sting in places and extended down to the pel and upward to the f ise ribs and occupied both flanks, but a as more pronounced in the right ch ical diagnosis of malignant cystic tumor of the right overy was made

Operation was performed under high spinal anasthesia. A median subumbilical incision was made and an enormous soft ratropentoneal sumor discovered which he decided to remove through a lumbar incision This incision having been made a tomor twice as large as an adult a head was found. The kidney appeared normal and was situated behind the tumor to which it was loosely adherent The tumor as removed without any considerab hamorrhage and the putient bore the operation will,

which speaks favorably for epipal ananthesia The tumor was made up of two parts a large multilohular one seemingly made up of adipose tissue and a smaller one apparently fibrous It weighed \$ 40 kg and was 50 cm in circum ference On section various Linde of tissue acre found-fatty fibrous fleshy and muscular Alicroscopic examination showed it to be an angiosziroma tous fibrolipoma

The author reviews the cases previously published and comes to the following conclusions. This form of tumor is found especially in women from 15 to 60 Sometimes they develop in the penrenal cellular tissue sometimes as in this case they are encapsu lated and are easily removed sometimes they devel to the fibrous capsule and then they are very adherent so that nephrectomy becomes occassary They may attain a large size weight g from 5 to 30 Lilogrammes Saviousi thinks that this case con firms the assumptions of Albarra Birch, and Kirschfeld that these tumors are derived from the wolffian body Diagnosis is very difficult. may be conjused with tumors of the kidney spleen and ovary The prognosis is relatively beings of recent years owing to the progress in surgical techmique He reports 60 operations with 30 per cent mortality

Bloch O E. Kidney Injuries U of & Cut s Ret By Surg Gynec & Obst. Q 4. XVIII 60

OR VILLANDER

In order to disprove shock as the most prominent symptom in kidney injuries, the author cites a case of a young mao aged 17 who received an 101017 which was accompanied shortly thereafter by hematura. Forty-eight hours later owing to \$ rapid weak pulse and great pain an nesson as made over the left kidney which revesled a faceration of the conventy of the Lidney bout tsothurds of it length

The second case was that of ma forty fi e ye rs of age who following the pushing open of s door suff red severe pain in the pper left abdomen There was no harmatura um alysta normal Several days late a swill g developed in the left flux region which extended t th crest of the shum and

was palpable Three days later cedema appeared on the left thigh over this area. An incision showed this area was filled with blood

The third case was that of a man who had been kicked by a horse in the upper left abdomen

In all three cases the cavities were packed with gauze. Bloch believes that on account of penetrating wounds of the kidney heing so often associated with trauma to the viscers, intraperitoneal operations should be performed.

H. A. Kader

Arcelin One Hundred and Two Radiographic Examinations for Lithiasis of the Kidney and U etcr Verified in V rous Ways (Satistique de examens radiogr phaques pour hithase arctérorénale suvice de vénücations diversas). Lyas sald 9 4 47 By Journal de Chrurge

Si ce 1906 Arcelin has made 102 examinations for calculus which were verified by operation, spon taneous expulsion of the calculus or autopsy he did not count the numerous cases not operated on or

not followed up

As a result of these examinations go operations were performed a patienta baving shad a double operation there were y cases of apontaneous expul som one of expulsion siter catheterization and 4 autopses. In the ros examinations there were the errors of interpretation r faced lociculus and blistry calculus having been taken for calculu of the kidney. In a cases the radiographic diagnosis was not co firmed on operation in one case rephre tomy was performed at dar attempt was made in vain to find a abadow at the level of the fourth under vertex at an another case several shadows of calculu in the right kidney were not found on nephrotomy but were found at autopsy.

To avoid such accurrences as noted above an attempt should be made to locatine the calculur by means of a areterol sound. This would show that some shadows located along the unnany tract are not due to calcula. There are also some calcula mostable to radiography in the lung subject. One calculas weighing 3 o gr was not seen because of lack of mobilization of the kidney while the picture was taken. It was composed of phosphate and better techniques of would not be seen usable with a better technique of would not be seen in the longer studyer but was found on attorney in the polyer and 4 pure wine and calcula of the pelvie urreter remained in wis ble in the lung subject.

Thus the e were a per cent of errors of interpreta tion a per cent of calcul indicated by radiography but n t found on operation and 6 per cent of calcul not visible by radiography but found after ward

krotoszynee M Early Diagnosis of Ren f Tuber culosis. C If St J Med 9 4 xu 95 By Surg Gyaec & Obst

krotoszyner outl nes the methods of making an carly diagnosis of renal tuberculos; for he cla ma

that in limiting the disease to its original focus or to one kidney lies the only hope for a cure by less radical and mutilating means

The failure of recognition hes in the fact that the general practitioner is not on the outlook for it Suspicious symptoms are pollakiuma insidious without palpable cause as gonorrhora traumatism instrumental infection etc which is running along with or without dysums and a cloudy microscopi cally purulent urms which has become chronic Characteristic symptoms are also a slightly red dis coloration of the urine or a definite terminal hematuria. Satisfactory conclusions as regards localiza tion of the focus may be made by a history of distinct attacks of kidney colle or pains located at one of the renal regions at either of the lateral abdominal regions near the erest of the ileum the bip or the os sacrum. Occasionally a sensation of chilliness in one lumber region is complained of also distinct unilateral sensations of pain in one half of the hlad der urethra or varina or in one labium which are either connected with or noticeably independent of miciumtion at times a sudden and intense hladder tenesmus with evacuation of a few drops of a clear

watery urne with chils and consequent aventing Palpable enlargement of the kidney should be accepted with caution. In some cases there are present pressure points in the course of the ureter this symptom is rarely missing in women

LOUIS ORGES

Pardhy K. M Nephroptosis: Movahie Kidney Floating Kidney Dropped kidney P ctitioner Land 19 4 Ett 5 7 Ey Surg Gynec. & Obst

The author makes a report of operations for movable kidney on patients with mental disorders. He has performed nephropery on arts patients in a food which he authored the kidney on both aides in all he bas anchored he kidney on both aides in all he bas anchored for kidney. He says the magnity of patients suffered more or less from neurasthesias manuly or in addition to digestive genito unnary, and local symptoms such as severe headache tachycard a sathma hemicrana etc The author however proposes to deal mostly with patients suffering from mental disorders such as manual and the state of the suffering from the suff

The author then takes up the pathology and attempts to establish the fact that the nervous desorders are due to tozemma caused by the obstruction to the flow of nane through the ureter. He says this tozemma may be caused in the following wings a Deficient exerction therefore retention of

some of the waste products of metabolism in the blood stream

2 I terference with the formation of the internal

3 Possible formation of a perverted internal

4. As a result of the obstruction of the unseaucheof its kinded statis of the unne und lack pressure in the pelvas of the unrier calyres und unnary tabulen ner produced. This is referent as previously stated from the vutying degree of by dronephrous fairtening of the pyramids und cynite degeneration met with Probably this stagment unner will undergo decomposition und some of the products of decomposition will be ulsasthed fint the general circulation.

According to this condution he justifies the recovery of 17 no tot of his 25 patients of mental disordere. He emphasizes the great cure that about the taken of these patients in liter operation that they should be under the watchful esre ol a nume or should be detuned in no a sajum for mentully diseased patients. Out of his 25 cases 19 were lemales und 6 mplre

The time required for these patients to ohimo a complete cure after nephropesy vuper from u learning to every case of months to u year of more und it a very casential the nuther state that these patients be properly cared for during that time und their physical und mental a selfare carefully looked utter as outland by the usual treatment of mental cases.

The author attempts to relate the idea that nephropexy has little or nothing to do with the reenvery of these patients although it requires such a long time for them to recover after the operation

The outhor combasses the proposalion that kinders should be fused to as nearly the normal position as possible und he prefers the Billington method ol operation. He regards a large number of cases ol neurastheam as caused by monuble kinders and believes that nephropersy properly nod eff e cet by performed pre cots utto intoucquou und the consequent train ol nervous symptoms. He uses the Bildel sutures and the curvai ent necision of Billington esteoding from the end of the twellth ris to the edge of the quadratus lumbourum and contoung parallel to the netter. A C Strouss.

Nuzum F Retro-Aortic Left Ren | \ninu. J Am
Af Ass 1914 | 121 1238 By Surg Gynec & Obst

Nusm in a detailed examination of the intensive found but is citations of the left renal with by a behind the sorts. To the number he adds so from the pathological laboratory of Rush Medical Colfestion of Grant both normally formed and placed as a nonamonal colfestion of the sort o

S Energe met

Billington W: The Results of Nephropexy Brd M J 9 4: 856 By 5 rg Gynce & Obst.

The nuthor reports ha ing peri mad nephropexy on over too patients in the last nice years in many

cases both kidneys having been operated on. Ilipudges the results of the operation from two sizadpoints mechanical und theorpentic. To be mechanlearly successful the operation should result is the scally successful the operation should result in the hasbeen fared und the miscene of uppleasant sequels has been fared und the miscene of uppleasant sequels when the part is most ound berman in the scar. Therapeath to pass misce und berman in the scar. Therapeath to pass miscen the scar is the scar is the scar which the operation is tollowed by the disappearance

of the presenting symptoms
A review of Billington's cases abous that o very large per cent by been successful mechanically as well as therapenturally lo or recent lower glood of 200 conaccutive cases where the operation had been of more than one years standing 60 per cent were tured or greatly Lenefited 30 per cent were better until to per rent were unimproved in this series 7 nere males and 10 swere females. Of the women 37 were married may 65 were unmarried 10 57 cases both hadness were operated on in the women 37 were married may 6 were unmarried 10 57 cases both hadness were operated on the series of the se

Caulk, J. R. Incrustations of th Ren i Peirls
uod Ureter S g Grace & Old to 4 arm 407
By Sure Groce, & Old.

In the hegan ng of the article stone formation and cuirercous depouts in the genito onnary limit use briefly considered. It is ooted that most of the writere on this subject ure in accord in the belief that pecrosis is the most important fratore io such production but the mu ner in which deposits nee laid down in areas of necrous is still an oneo question in the paper four cases of merustations are reported the first occurred around the renal hap lis. with a retention cost of the Lt liney as a consequence the second case occurred on the posterior wall I the renal pelvis the third in the upper ureter and the fourth in the justy excal ureter in other words such lormstoos may occur 10 my part of the treet The deposits to all fo r cases nere evidently calcium salts. The two pelvic cases showed inflammatory changes as nn tiolog cal factor in the ureteral rases, not coming to peration the pathological less a could not be determined. There has nothing of mportance in the symptomatology except in case three In this case the pain was paroxysmal neute n d entirely epigastric

The chief feature I the nuthors paper is the d seposite complex which should enable one to differentiate nn incrusist in along the neter from in calculus as well as a sandy impaction. The follow

ing ure the four cardinal point

(u) Fin 1 Nay shadow (b) the passage of the gg shell I ke maternal following the manipulation with the urrier catheter (c) the passage of the catheter through the observation und relieve and patient of symptoms the Arry shadow still per sating and (d) finally the gradual disappearance of the shadow by use of the rete cathette.

Treatment in such cases depends on their location. These around the populie or within the readplers should be removed by nephrotony. The author believes that pysicionary will not provide sufficient engoure to insure the complete removal of all the calicarous material. Incrustation along the unters should be removed by means of the ureter eatherst of posts the Open operations, are liable to lead to secondary stricture necess tating later nephrectomy.

Sweet J E and Stewart L P The Ascending Infection of the Kidney S 1 Gynec & Obst 9 4 xvm, 460 By Surg Gynec & Obst

The authors present a review of the litereture of the lymphatic apparatus of the Lidney wreter and bladder which shows that there exists an extensive lymph system which freely anastamoses so that the bladder is in direct lymphatic connection with the kidney through the lymph channels of the nreter They conclude that infection travels through these channels and not through the blood yessels since the verus of the bladder and ureter for the greater part open into the general venous system not into the venous system of the kidney that infection proceeds unward through these lymphatics and not through the lumen of the ureter is further shown by experimental evidence II the lumen of the ureter be open to infection the infectious process is trece-able in the lymphatic system not along the mucosa nf the ureter If the lumen he closed to infection the process extends to the kidney in the usual way If the lumen be open to infection but the lymphatics not in contact with virulent infection as when the ureter is passed through the pancreatic duct there is no ascending infection. If the lumen he open but the continuity of the lymphatics be interrupted in fection does not ascend l'inally if the kidney pelvis he directly connected with the gut the general infection characteristic of an ascending infection of the Lidney does not occur

The practical surgeon must hear this lymphatic system in mind to dealing with any infectious prices in the pelvis or lower addomen and in the presence of a kidney involvement must look for a possible primary source outside the kidney. The suggestion is offered rhet nlocrations accompanying

a cystitis should be locally treated

Von Hofman E.: Dangers of Pyelography (Sur les dangers de la pyelographie) Fel of 9 4, vm 393 By Journal de Chururge

Pyclography is a method of lydney examinate. In which consists to 1 setting a 1 per cent solution of collargol or some other subst ca opaque to the Arays through a unteral sound so as 1 full the pelvas and the calyces a radiograph is then taken and an image of the exceetory passages obtated. Thus renal retention or an makes of position which could only be suspected chunculty can be demon strated. But the method is not without changer ton Hofman describes the two following cases.

Pythography was performed on a young gud of 37 with a left hydronephrous Four days later she doed a left hydronephrous flowd was been deed a hydronephrous filled with collargol had regulared As the kidney was adherent to the destending colon rupture took place into the posterior cavity of the onentium. From there through Winslow's foremen the collargol was distributed into the pertuoned exvity. On histological examination collargol was found in the ununiferous tubules and also at certain points in the glomeruli. Through the ruptured unniferous tubules the collargol had passed but in the neighboring issue where it had produced necross

In a second case of grous-phrosts pyelography was performed three days before opertion. The collar gol had penetreted the interstitial tasse though the fasure through which it had passed could not be found. Here too the collargol had produced focu of accross. Therefore pyelography by Velcker and Lechtenhergs method is not without danger. As nall methods of examination the technique should be found which will give the maximum of benefit and the collarger and Papus a settimentation and exchanges will add an avoiding such accidents at those described in the collarger and Papus a settimentation and exchanges will add an avoiding such accidents at those described.

Barringer B S Ure terocele and Ure teral Stona
T Am Ass G U Surgeons Stockbridge 9 4 M y
By Surg Gynec & Obst.

The author believes that hidney or uneteral stone is at times secondary to uneterocle and cites a case in which there were belateral uneterocles in one of which a some was caught. By means of the operative cystoscope the marpu of the uneteral onfore was removed and the stone passed into the hladder and these out. This simple operation cures the meterocels and temoves the stone at the same time.

Whitehead G Estraperstoneal Ureterolithotomy through a Median Suprapubic Incision Lanest Lord 914 charve 8 By Surg Gynec & Obst

A youth of o was admitted to the hospital lor raduct cure of right ingunal herms. He had had an external urethrotomy at 7 years of age for removal of an impacted stone in the urethra, at 11 a suprepube cystolomy for ves cal calculus and a second time for vesucal calculus at 15 and at 16 sadical cure of left ingunal herms

Ten days after the operation for radical cure of rapht inguisal herms be was seried with a sadden attack of pain in the left grow Ten greammation showed a relacion in the use of a sparrow seg; impacted in the lower end of the left ureter. A mechan syrespotan inconson was made under spinal anxiety expression in conson was made under spinal anxiety expression. In conson was made under spinal anxiety expression for the part of the conson was made to pulpated with a fager in the hindder near the part of the under the procedure pushed in provat on the outer the procedure pushed in provat on the curtarpentoscal dissection the left ureter was extrapentoscal dissection the left ureter was ex

powed at the pelvic brim. A sing of stoat sdk was passed around it and held while with a finger in the bladder the stone was pushed upward against the slk sing and a second loop of silk was passed around the ureter below it.

The stone was removed through a longitudual incusin and the opening closed with fine catigor. The bladder was nature? and the suprapolic wound closed with a slender tube put down to the incuson in the uretar. A soft rubber catheter was teld in for 48 hours when both the catheter and drainage tube were removed. Recovery was uneventiful the

wound healing by first Intention.

The bladder was opened by a medius nurryspuble measion because it was usurpered that he intone would be found a cyteric close to the ureters enfice, and would be easy permoved by the transversal routs. The excellent access to the pelvic ureter by extrapersished dissection through the same include suggests that in similar cases the med as fine on might be used and the stone removed from the ureter after pushing if back in the pel is from what not nonumer the bils for

BLADDER URETHRA AND PRNIS

Coudray J: Primary lithisais of the Biadder in Children and Ad R up to 68 among the Stassation of borth Africa (Co tribus na létude de la lithe 4 éveale prem is se l'est i et de l'abilitation 4 fee le missulm as d l'Urique du Nord) J d'avré 1914 v 71 Ill Journal Co Carrett

In to years Caudray I a l 198 cases of calculus of the bladder among the Musselmans, 40 of Bhich ware in adulta from 15 to 40 and 50 in ch ldren under During the same time he had only one case of kidney calculus Ifs beheves that the nature of their diet which is largely vegetable and lacking in astrogen and the nater which contains calcium and magnesium, are important factors in pathogenesis Incontinence of urine was unusual in ec eral cases there was also prolapse of the rectum liecause of the late stage at which the patients came for treat me t and the frequency of renal infection cystos tomy which places the bla ider at rest and lions it to be dray ed and disinfected was indicated in preference to lithmenty I T TIOT

Edmunds, A Fetopla of th Bladder Practitioner
Lond 19 4 xcis 501 By Surg Cynre & Obst.

Ectopia of the bladder is a def muty which according in heudoffer occurs once in spoon births in the proportion of eight boys in ane garl. Smeed the reade it medical officer at Queen Charlotte a flospial reports only 3 cases out of 25,000 births for a period of seven jeers in that institution. The author gives the details of a case which came moder his termonal unipersist.

The patient was a girl aged 12 who had been sent home from South America in the hope that some thing could be d n f r he in Figl nd Her cond tion was extremely miscrable. The mucous meabrane of the bladder was completely exposed perpecting farwards as a deep red owned swelling, but was In fastly good conduction that! there were no alores or increastations upon it. The skin around was circularied and concrete with scales of hardesed muscoparollent discharge at the lower part of the control of the control of the control of the covered up by wellen autocupation for the noneccaped naturally through both of them. There was a fullness in early grow which ended

towar is the middle line in a rounded smuseure bearing a few scattered hairs the two together forming a sort of vulva. On separating these two curved fleshy prominences were seen, representing the nymphe and the split chions and bet een these was a small triangular area of mucous roembrane This bore several transverse ridges and was smooth lighter in color and healthler looking than the bladder differing very little from the purmal vagnal wall of which it was probably the representative There was no indication of a cervix The anns as normal On either side just beneath the two hur patches could be felt the pointed ends of the divided symphysis. The child walked badly less perhaps on account of her sput pelves than of the a poved bladder wall and the fenderness of the alln around esco contact with her clothes causing her pain Her general condition was poor and the benefits of the operation as regards her general health were astonishing There was nothing in the appearance of the rest of her body or in her general mental cond tion to suggest any sexual abnormality besond the physical deformity she was a normal child of thelve

of Inest's kept in bed for a well after admiration. We are the recustomed to her automating it is also to allow the parts to be chansed. Linder may call amount and the parts to be chansed. Linder was disniferted and a fine catheter passed into each work or so to the hidder was disniferted and a fine catheter passed into each livet stages at odine its course and easily it to left through the surrounding tissues of ring the liter stages of the operation. An incusion was the made through the surrounding tissues of ring the was the carefully dissocrated up from the pertinosum a procedure which in this particular case presented and difficility although in some cases it has been loaded.

to be difficial.

If bowers it is proposed in do a transpentioned operation a buttombole in the personneum is not a matter of any vital importance. It hough it is a distinct not assign to retain it instead. With on the wide of the propose of abutting in a governinement of the purpose of abutting in a governinement of the major abutting in a governinement of the second proposed in the second proposed in the second person in the force of the second beneath the bladder wall are hough

taken not to logure the ureter the position of which was rendered apparent by the catheter The incl sion which had been commenced above was then cootinued around the whole periphery of the bladder until this had been completely detached—no cutting heing done until it was perfectly certain that the ureter was well out of the way It should he noticed that in these cases the relationship of the parts differs from the normal the ureteric opening is to all inteots and purposes on the antenor abdominal wall and hence the ureters are much more superficial than usus! Io this case they lay along the hrim of the true pelvis as far forward as the free anterior ends of the bone

When the bladder had been detached all around a certago amount of the wall was clipped away until a thick broad fusiform area was left attached to the pelvis hy a broad stalk of tissue containing the preters. This was separated from the pelvic wall just sufficiently to allow of its being turned over so that the mucous membrene looked towards over so that the mucous membrene sound towards the sacrum. This part of the operation must be carefully dane its abject being to detach the contents of the pelvis from the pelvis wall as little as possible. It is certainly possible to retain the vascu. larity of the stump of the bladder and therefme probable that provided sufficient care is taken the nervous connections may he retained to a certain degree also A great amount of separation is not required It is not so much a question of carrying back the bladder to the howel as of hringing a mobile portion of the bowel forward to the bladder It is just this point in which the transperstones method has its great advantage allowing the surgeon to employ the mobile pentoneum-covered pelvic colon

rether than the more fixed retroperatorial rectum.

In the present case the part of the bladder which was anastomosed was uncovered by perstoneum except for a small area about half an inch square Here the peritoneum was retained to position but proved of no particular service to the anastomous At this stage of the operation the ureteral stalk was separated into two so that the wall of the colon could be stitched over the implanted area of the bladde between the two ureters but this proved impracticable and unnecessary a d therefore might better have been omitted. The next stage was to perform the agastomosis proper This was carried out on the lines of a gastro-enterostomy The pelvic colon was brought out and clamped so as to be transversely across the wound packing ber g arranged around it to catch any contents that might escape An incision was then made through the muscular coat of the bowel exposung but not cutting through the mucous membrane lower edge of this incision was theo carefully attitched to the muscular part of the stump of the bladder Wheo this row of sutures was complete the bowel was opened the catheters were removed, and the mucous membrane of the bladder sewn to that of the colon the anastomous was then completed by suture of the hladder w il to the upper margin of

the incision through the colon. The peritoneal flap which was produced by the detachment of the upper (umbilical) segment of the hladder was then tucked back over the small intestme and behind the anastomosis and a drainage tube was inserted down to the bottom of Dauglas a pouch Two stout silk worm-gut satures were theo passed through the fibrous margins of the opening in the abdominal wall and left loose The wound was then packed with cyanide gauze

The patient bore the operation well and although she was far from robust at no time during the course of the case was there any cause for anxiety There was an leakage from the anastomosis and the tube in Douglas a pouch was removed a few days later and left out. The wound from its nature could not he considered asentic but such free drainage had been provided that there were no constitutional symptoms of sepsis. The temperature for the first fortnight never rose above 99 4 and there was on sloughing of the would, which granulated well hut slowly The anastomosus did not leak in the least and receded into the depths of the wound leaving a cavity which ultimately filled op Six days after the operation when the risk of septie complications seemed to be past gas was administered and the swo loose statches were tied thus reducing the size of the wound very considerably

The subsequent progress of the wound was un eventful and the patient was able in leave the hospital seven weeks after the operation with one or two areas about 1 mm square still unhealed. It was unfortunate that she could not he detained for further observation but the nature of her parents. employment necessitated their return to South America and her general condition was so good that staying in London. Her health and comfort in proved from the day of the operation although she atill showed an instinctive terror of being touched and it was some time before she could forget the soreness and tenderness The small area of mucous membraus representing the vagina remained sensi tive although not tender and the author thinks at would have been better to have removed at en turely since at the operation no uterus seemed to be present Control was perfect from the first a mixture of faces and orme passing every three or four hours

At first she was disturbed through the night but she soon accommodated herself to her new condi tions and remained comfortable nearly every night She had a slight attack of pyrexia a mooth after the aperation but noth ag was found in the urine to account for it, although this examination was of course complicated by the presence of faces Towards the end of her stay in the hospital she also had some slight irregularity in temperature but this was accompanied by no symptoms which indi cated it was due to anything more than a cold

As these cases are very rare Edmunds offers the following suggestions

r That plastic operations designed merely to reconstruct the hladder are unsatisfactory cance at the very best they only afford partial relief and that transplantation of the ureters is preferable.

2 That transplantation of the hase of the hiadder is better than the separate transplantation of the urriers because it is easier to perform and on theoretical grounds is less likely to lead to an ascending infection.

3 That this is done better by an intrapertional than by an extrepentoneal route inasmuch as it is possible to perform the operation with less interference with the vascular supply of the bladder stump and to utilize a mobile portion of the bowel 4 That maximuch as most of these cases due of pelvic reliability the wound should be left freely

open A herma may be developed, but this can be dealt with later by an aseptic operation or may be controlled efficiently with an apparetus If A Moone.

David V C; A Bacteriological Study of Fifty Cases of Non Tuberculous Diseases of the Bladder and Ridney Srg Gymer 6 that tota rvu 43 By Surg Gynec & Obst.

The cases attuded include 37 cases of chronic cyntra sof pysochronics, to unlaray calcula and a vesi cai tumori. Colon bacila and alued organisms were present in 60 per cent of the cases but in paur culture in only 30 per cent. Stephylococci were present in 53 per cent of the cases and no two strains were identical in cultural characteristics. One case presented the tunusual combination of pseudodiphthems bacillus streptococcia and pneumo coccas. Anabishie cultures were mode in all cases and 14 anabishos were feed in all cases and 15 anabishos were feed in all

An anagrobic black paymented gram negative bacillus was isolated in 4 cases. It grew only on blood media and in most respects corresponded to the schwartzen fariytoffolddender's bacillus devenhed by Reyde which he wolted from the appendix.

Anaerobic gram negative influental the bacility were isolated in 4 cases twice in pure culture. These bacility grew only on blood media with a scarrely visible growth and were non hamoly; a Espected into the reast pelvis of sublists they caused death in 44 hours but so macroscopic evidence of pyelits or cystils was present.

Other anaerobes were isolated as follows Staphy lococcus pervulus a hitherto undescribed gramnegative coccus bacillus funduliforms and grampositive staphylococcus

Heitz Boyer M Endoscopic Treatment of Tuber cutods of 17th Bladder by High Frequency Currents (Transms to doscopque de la 1 bergular estada par les cours t de las 1 frequency J d' nº 194 33 By Journal de Charaya.

The author h e previously described the use of the hub frequency current in the form of spark.

ducharges for the treatment of tumous of the bigst der and is now applying it to the treatment of inherential issues of the bladder particolarly in theretail attentions persisting after apparentially in the second of the second inherential substantial in the second of the second inherential substantial inherential inherential substantial substantial substantial feared the park ducharge is supported to entitle feared the park ducharge is supported to entitle tunous production. It is applied to the inherential and an area of at least 1 cm around it

The operation may be very painful and necess tate local or even general anesthesis. There is a violent reaction in the area treated with the production of an emberant dirty white membrase which recalls the appearance of certain gangerous willous tensor in process of elimination. The membrane is duscharged lattle by lettle at the same time that a new spitchelum is forming to cover the double-durface. Complete contraction requires the complete contraction of the complete contraction of the complete contraction of the complete contraction of the contraction of the complete contraction of the contra

Ifyman A.: The Normal Blodder and Ite Sphineters and the Changes following Suprapuble Proststectomy A Sur Phila out ht 544 By Surg Cynec & Obst.

Inconfinence of unne following prostatectomy is encountered inferquently very rarry after a prapulse cancleauce, but is more often neet with after the perinard loperation. The cases of the sondtown has not been definitely determined. The object the study a to inquire unto the necknown of urnation following appropriate presistencing and urnation following appropriate presistencing and urnation following appropriate presentations of the study of

that set we describe the control of the control of the normal bladder has long been the subject of much discussion. In 1903 a seven beautiful of the control of the head of the subject of much discussion. In 1903 a seven below of the bladder was devised by Volcker and Lachtenberg. They employed collarged injections combined of the discussion of the control of the c

in accordance with the wark of Volcker and Lichten He began his radiographic studies two years In the beginning three different positions were tried the ventrodoraal - patient lying flat on back the dorsoventral - patient on abdomen and the lateral The lateral views were very unsatisfactory away to the density of the muscular and bony structures of the pelvis The dorsoventral and ventrodorsal gave practically the asme results and the latter the ventrodorsal position because more convenient was adopted as a routine The position of the X ray tube is of considerable importance. The earlier radiographs were taken with the tube placed posterior and obliquely to a vertical plane passing through the symphysis pubis It was found, bowever that this position failed to give a good view of the outlet of the bladder Sub sequently therefore the tube was placed so that its focus was at a right angle to the plate the rays atriling the body just above the symphysia compression blend was used moderate compression heing applied however so as not in disturb the The medium used was a 5 per cent solu tion of collargol which to the large majority of cases was found to be non strituting. The solution was introduced through a catheter which was then with

Twelve radiographic exposures of normal bladders were made and as the main object was the study of the sphincter region the hladders were fully distended

The shape of the normal biadder was found to be wanable although the type most frequently en countered was that aboving a hread upper portions marrow up down toward the outlet. In the randographs the urethra was invanably found to be abarply demarted from the hielder thus demon straing that the internal vesical aphunter is the musice that returns flund in the detended bladder. The position of the internal spin cier was either on a level with the upper border of the symphysis pulss or midway hetween the upper and lower borders. The following conclusions are drawn by the

auth r
r The internal vesical sphincter is the true
sphinct of the normal bladder and of the bladder

10 prostatic nlargement
2 The external vesscal aphincter compressor
urethræ is the functionating aphincter after sup a
pubic prostatechimy in the large majority of cases

Packard H. Eversion of Bladder A S g
Phila 9 4 h 555 By S rg Gynec & Obst

The author reports the case of a young woman ry er sold who was the subject of a criminal assault when four years old and who suffered at the time extensive pelvic licerations. When ahe presented herself in the author she had complete prolapse of the uterus an decresson if the bladder An \ as photograph showed an ant e absence of he puths are! That this was not congential was

proved by the fact the patient was normal as a child hetore the assault. The cubre hladder all was dissected and and the urders implanted into the wagns and then through an abdomnal incross fixation of the uttern was effected by entanging the fundus with the recti muscles. This was followed by a good recovery and relief of the many distressing symptoms with the exception of unnary incombence:

Bangs, L. B : Cleatris of Bladder Relieved by Ful guration Med Rec 1914, lary 6 9 By Surg Gynec & Obst.

The author reported an interesting case of ohstruction following supraphuse prostatectomy which was relieved by fulguration About eight months following operation the case was referred for examination. The patient voided turbid unite in a dripping manner. Five nunces of purulent residual unine were obtained Cystoscopy revaled a transverse curatural band with bulging lateral folds just within the internal onlice. As appearance was relieved fulguration was advased. Four applications were made hriming a groove through the middle of the hand and reducing the residual unite to six drains. Relief was felt after the second application.

C D Parzezza.

O'Nell R F: A Cas of Incrusted Cyatitia Show ing End-Result T Am Art G U Surgons Stockbridge, p 4 M y By Surg Gynec & Obst.

The patient was a woman of so who entered the hospital in 1806 for the robel of harmstura vesseal tenesmus and transary pain and frequency of air months duration. The trouble began about a month after dehvery. She had passed clots with gravel.

Examination in the bladder under ether showed a large aloughing area on the ingone and other smaller ones Calcareous patches could be felt with the finger The areas were curetted considerable improvement failowed the aperation

She was next seen in 701 engineer years after operat in when the came in the control of the cont

The patient states that following her d scharge from the hospitel in 1895 she suffered from a recurrence few histodic systems with the discurrence few histodic states of the states of the charge at histodic and calcurrous means for a period of four years at times the attacks being nearly as had as that at the time she entered the hospital. The condition gradually improved and disappeared under local treatment and she has had no treatment for the past ten years At present there is neither pain nor noctura.

From the chuncal history and operative findings this case is evidently one of necurited eyalistic the point of Interest being that a severe process could persist in the histoder for so long a time terminate in recovery and leave little or no permanent disability. Also that during this time infection of the kidneys did not occur at least to no permanent drayee either by way of the urters or the lymphatics.

Squier J B Rectovesical Echinococcus Cyst

A Surg Phila 9 4 hx 396

By Surg Gynec, & Obst.

The author had a case which came to him with a diagnosis of enormous vesical calculus. The chief complaints were frequency of natuation intense pain in the penis and a tumor in the hypograticium.

The tumor appeared to be a greatly distended bladder. Cystoscopy was impossible. There were six ounces of residual urine Cystotomy ahoned multiple echicococcus cysts coming from the bladder The bladder was drained At a second operation another cyst which was found adherent to the under surface of the liver was removed. At a third operation the bladder was more freely opened. In the region of the trigone there was an opening as large as a half dollar which communicated with what was evidently the mother cyst, between the rectum and the bladder A permeal opening was made into this cyst and the cyst cauterized with carbohe acid. The suprapulae bladder ovening was closed and the recovery was uneventful

Judd E. S : Non Papillary Bentan Tumors of the Bladder J La ed 9 4 xxx v 53 By Surg Gynec, & Olost.

R S BALLOGER.

The author reports two cases of non papillary beings tumors of the bladder. Both patients had all the characteristic symptome of the particular factor of the particular particular to establish the factor of the particular particular particular particular to the particular papillary bladder tumors hemorrhage in these cases was charper and more severe them is usual in papillary bladder tumors both cases were perzied upos cuprapubacily. The etainsteal freque cy of the tumors was me and two-tenths per ceal Microscopically they were composed of smooth muscle fibers and fibrous connective tissue.

Gehreis, F The Endovesical Treatment of Fapil Iomata of th Bladder by High Frequency Currents A trains M Gas , 9 4 xxx 292 By Surg Gync. & Obst.

The author describes the principle of Beer' treatment as the publication of the high frequency current or rathe the Oudin current in the merical of the bladd r directly in the papillom. The

difference in Beer's treatment from the ordinary infiguration treatment consists in the fact that the electrode is applied directly to the papilloms and under water. Beer avoids prouding against and effects coagulation of the issue but no cantenation. By applying a current of varying streigh for a greater of less penned of time a coagulation and necrosis of the papilloms is effected, and after some necrosis of the papilloms is effected, and after some moral is done much parts are cast of The treat moral is done much properly and the papilloms of the country of the even.

The anthor after describing Beer's method a th the high frequency machine and Oudin resonate and the method with the disthermic machine used chiefly by German curreous describes in detail his own methods as fullowe. The disthermic apparatus is connected with the current collector. The snode is connected with a ro to 6 inch indifferent electrode that will be applied to the abdomen above the aymphysis the cathode is connected to the high frequency sound that has the shape of a preteral catheter of No. T F with a platinum tip He regulates the strength of the current by trying the sound on a piece of raw meat For introducing the sound an ordinary indirect cathetening cystoscope is used The urethrs and bladder of the patient are anesthetized by 5 dr of a s per cent solution of alypin adding to drops suprarenu, applied for 5 to 20 minutes Then the bladder is washed with oxycyanate of mercury z 5000, and filled with 5 oz of distilled water. After introduction of the high frequency sound it is led ton aids the growth and between its villous processes

The current is turned on for as to an eccounts and this procedure repeated on different epots until the whole curface of the growth appears necrotic time of application is shortened the nearer the pedicle is approached in order to avoid injuring the bladder wall. The time required for one session is three to five minutes The treatment is repeated every eight days and continued until the abole growth is necrotic The eschars are allowed to fell growth is necrotic The eschars are allowed to fell off by th miselves Where only the pedicle ! left at as rreated in the same manner Where the cur rent is applied the tissue becomes white Sparks re rarely seen Only a slight formation of gas takes place Pam is experienced only if the bladder wall is touched and this is a warning sign Shrald blerding occur the application of the current will etop t The necrotic parts are mostly cast of in one week Rest, bland diet nd urotropine are recommended during treatment During the first month the bladde is washed with a 2 t 5 per cent solution of resorcin every two weeks in prevent rec rrence. The advantages of this endovesical treatment are

The advantages of the endowescal treatment are aummanized by the author as f flows. It is easily done and hospitalization in not necessary. It is payliomat can be attacked There in the important homostatic effect. The dangers are as naught. It has high advart age over cystocomy and resection of the bladder. The mortality in

cystotomy is 2 to 10 per cent and repeated opera tions for recurrences may be necessary The lead ing surgeons of Europe and America are using this treatment and report favorably

The indications for treatment are tabulated as r Papillomata chinically henign not exceeding

the size of a walnut

2 Recurrences of papillomata Hemorrhages of mahgnant growthe of the

3 H. hladder The article closes with a differential diagnosis

hetween henign and malignant forms of hladder tumors H J POLKEY Viko, E Surgical Treatment of Urethrorectal

Fistute J Am M Ass g 4 bu 083 By Surg Gynec & Obst Viko asys thet present methods of operation for urethrorectal fistulæ result successfully in only

25 per cent of cases The operation described by him consists in dissecting down to and around the fistulous tract between the rectum and urethra The tract is tied like a blood vessel close to the rectum and divided A purse string suture is then placed around the fistula close to the urethra the ends of the sutura ber g left long Several flaps are then dissected loose alternately nn each side of the heated utethral end and statched in place one on top of the other each suture line being located at a different plane The long ends of the utethral tie ara drawn through the center of the first flap and tied before the flap is stitched into place The ractal tie is buried by two or three pleats of rectal wall. After building up this com paratively thick layer of tissue hetween the urethra

and the ractum the latter is partly twisted and a sound part sutured to the layers of urethral flaps The author claims that this method of rapa r of urethrorectal fistule is very satisfactory but gives no data as in the number of cases nn which

it has been performed or the percentage of cura I D BA ET

GENITAL ORGANS

Grimen C E A Case of Double Cryptorchidism.
W V t M J 19 4 m 339
By Surg Gynec & Obst.

The author describes a case of bilsteral crypt orchidism with surgical technique. He advises operation before puherty in minimize dangers of herma and defective n malignant development. On the left side he employed the usual technique (Bevan) of incision and exposure a d found the testis hed slipped into a blind pouch through the roof of the canal affording a cord of sufficient length to allow the organ to be placed in the scrotnm a d ratained there by merely contracting the neck of the scrotnm by a purse string uture On the right s de the testis was found at the in ternal ring necess tating section of all structures except the vas artery to vas and permat cartery

to afford a cord of sufficient langth. Primary union resulted with a retraction of the right tests only and that only as far as the external ring

Grimm is loath to cut spermatic arteries he cause of experimental evidence adduced by Moschowstz showing degenerative changes in the testeswith resected spermatic arteries. He approves in Davison a technique which makes it possible with out section of the spermatic artery to secure greater cord length by dissection of these structures out of the ahdnminal wall freeing enough of the asme to insure adequate length. The epigastric artery having been protected by a double bigatura and the posterior wall of the canal having heen incised the vas is located and freed at the internal margin of the wound and the spermatic artery incated and freed along the external edge of the cut transver salis fascia

The tests is sutured in the bottom of the asc and the suture passed externally and a fast loop made to afford a fastening for traction from without To this auture loop is fastened a thin rubber band the distal end of which is fixed by adhesive plaster to the thigh giving the proper amount of traction It is of course necessary to immubilize the thigh hy ester or starch dressing Closure of the wound follows the usual principles of hermotomy

LOUIS L TENSROPCE.

Lillenthal H : Prostatectomy in a General Surgical
Practice Ass S g Phila 9 4 lix 373 By Surg Gynec & Obst

Basing his conclusions on the records of 80 prostateetomies the author presents a strong case in favor of the two-stage operation and gives a com prehen ive chart summary of all the cases with histories of 13 illustrative cases Because of its many advantages he considers the auprapulie route the wasest especially inr the general surgeon and follows this procedure in practically all of his cases He contends thet suprapulate cystatumy should be the first step even though it may then appear hest to proceed with enucleation from helin. He does not perform cystoscopy as a general rule hecause he says it has some dangers and he can g t a better he says it has some daugers and he can g . a netter view of the bladder during operation Before the suprapulic opening closes he inserts the cystoscope through the fistula and makes a caraful inspection for bits of slough or loose tissue which might form nuclei far subsequent stane. Three times he has observed calcult formation after prostatectomy

He performs none of the ranal function tests because he considers that cystotomy is fully indicated even with poor ranal function of unne however is carefully noted The quantity

Most of the patients were badly nourished feehle old men average age 64 years with hardened arteries and duessed kulneys. The series is not one of se-lected cases. An one who applied for rai et was rafused the opportunity which aurgery might hold

The first step of f idential's operation consists in

cutting down to the space of Ratanus under lead ansartheam the bladder is distented with all and with two traction southers through the bladder wall the bladder is meased. The traction southers meach side of the wound for the bladder wall are the number side of the wound for the bladder wall are the number site to the sponeurous and a large tube placed in the bladder enucleation. The second step is performed of or of days later under general murst belse are of the state of the second step is the second national time to the second step is designed in a saltstant in the cutchra and the faggre of ma saltstant in the rectum pushing, up the prostate

In reviewing results in his non makignant prostatectomics the author foot that in 37 cases in which the one-stage method was followed 7 or ros aper cent there while in 31 two stage prostates tomics only 2 of 6 per cent died. The ages averaged the same

Among the 80 cases carcinoma was found in 7 and resical calculu in 13 to post-operative couples tions he 1 ad 7 cases of epiduly miss 1 case of acute septite testicle 5 cases of hamorrhage 3 of premium can and 3 of uramus. C. R. O'C.nowary

Stevens A R Treatment of Certain Cases of Prostnite Obstruction by Cauterization by the High Prequency Current An J Sury 1914 8 ht 91 Ry 5 og Cruce & Obst

In some cases it is possible to destroy protestic issue with the high frequency current the obstruction being thus removed. The author has puccess fully trested 4 cases and attempted to treat 2 more but the latter patterns complained so bitterly after instrumental man pulsion that the treatment was discontinued after the first fitting I toleformer in the cystocope after good local anesthesas may become a cut its indication and turn the tide to lim of of operations.

The method as not suitable for large hypertroph ex, but is good when a comparatively small profit of protection of protestac tessue causes a marked obstraction of protestac tessue causes a marked obstraction it may not online partial relief in the other types of hypertrophy when operation is postured relief with the Under type of current a single cauternation as not deep and progress us much slower to destroying prosting tiesue than it would be with a pryilloma of the bladder Three cases are reported.

Col A. P. Khiney Function Estimation in Preparation of Patients for Procest ectomy La cd-Cl st q 4 cz 466 By 5 rg Gysec & Obst

The nutbot emphasizes the shie and explains the use of Incinnal tests is stand; gauge-glanks in the preparation | I patients for prostatectom; Two tests ore counsil end to pable of going all the occessity of relation no est mutum of the Mood current programs of the model of the contract of the contrac

The I terpretation of the phthalero test depends

upon comparative reading in each case. A mariche decreme in the exerction of the dye invanably menns severe derangement und repeated tests will demonstrate whether this is permanent or temporary. Lowering of is lucy insection from prolonged back pressure secending nelections etc. invanably improves upon preliminary treatment of deninge improves upon preliminary treatment of deninge reduction due to a throad nephritis shows the offern and proposed to the contract of the cont

of m respend or training.

A cateful chemal stut y of the case particularly
with respect to acute renal forections is of equal
importance in estimating a surgical rist. No case
with an neuta pselonephritis should be submitted
to operation even in the present of in high philaiem. The author gives n very good review of the
methods in use in prebin any treatment and in the

estimation of the risk of operation.

Pilcher P M Transvesicaj Prostatectomy in Two Strages. As S g Philo. q 4 lit 300 By mg Gyace, & Obst.

In this article which is the result of the author a personal expenence he states that his study of the nathology of chronic prostatism leads him to disngree with the theory of Tandler and Zuckerland! that prestatic hypertrophy is always hypertrophy of the anatomical middle lobe. He believes that the two lateral lobes and the median lobe are usually lovel ed and that masmuch as the obstruction is at the neck of the bladd r and projects into the bladder the n tural n enor of approach is the transvenced roote. He advocated the technique of n two-singe transvesical operation in every to stance for the relief of benign hypertrophy of the prostnte for the reason th t as a result of rel eyi g the distintion of the bladder three phases of kidney secretion are demonstrable and doring the second phase lasting from a few days to oumber of weeks a pencel of danger occurs during h h oo surgical netack should be undertak

The nother performs n preliminary cystest my for the reason that fello in guirapoluc cystestomy the patients us not of bed in twenty lour hours the marry output from the bladde is complete by controlled by no neparatures which he limitations that he interest the so no implementations or transpire the method in the present of the prese

The author reports! date 8 success ve successed cases in a shich he has followed thu ane of treatment every case result ag to the control of unce by the patient and his no hit to compty the bladder w thout the use of n outher: If does not apply the tempty of the protection of the protection of the protection.

SURGERY OF THE EYE AND EAR

EYE

Credé-Horder Prevention of Gonorrhoral Ophthal mi (Warum konnte die Biennorrhoe nicht ahnch men) Zentreibl f Gynak 1914 xxxvin, 116 By Zentralbl f d ges Gynak in Geburish a d Grenzigch

The author directed a sense of questions in lying in hosp tals and university gynecological clinics in determine the following points

I Whether there is any permanent fujury to the child sees from the use of a prophylactic solution for ophthalma. The answer in all cases was no 2 What prophylactic is the best? The answer was generally silver nitrate sometimes silver acctate

and sophol

3 Whether it is advisable in make prophylactic treatment compulsory and punish neglect of it by

treatment compulsory and punssh neglect of it by law Among 51 gynecologists 25 favored compulaory prophylana so were directly opposed to it and 6 undecaded Among so directors of university chines 8 were in favor of t 10 opposed and 8 un decaded while all of them were in favor of prophylans.

Among 110 ophthalmologats 79 favored computations only carry a out of Crede's prophylana 15 were undecided of 17 professors of ophthalmology 13 were u conditionally in favor of it 2 conditionally in favor of it 2 conditionally in favor of it, and only 2 opposed to it. While the morbidity is grown at constantly less in hospitals good of the conditional ophthalmology and the conditional ophthalmology is not constantly of the conditional ophthalmology in the new methods of prophylana must be established. Mosastra

Effict R H Henderson E. E Fleming, A and Others D secuss on on the Use of Salvarsan in Ophthalmic Practice Proc Roy Sec Hed 9 4 Sec Oph & 98 By Surg Gyac. & Obst.

From a side experience with opportunity for careful observation ELLIOT brought his cooclusions in regard to the use of aslvarsan in ophthalmic First in elation in optic atrophy he said h had never observed a case following the use of salvarsan and n carefully collected reports from the other Indian hospital n t one was recorded in fact cases showing an atrophy of s) philitic ongra reacted excellently to the drug Second that the hest results were htamed by intravenous injects a of n 30 gm to 150 lbs body weight repeated only until Wassermann hecame orgat ve In addition mercurals and todides were also used. Third that best resulta were obtained to recent useal inflamma tion Muscular palsies reacted well W th tahetic cases a d heredosyphilit c joterstitud kerst tie results were disappoint ng Fourth he referred in the origion of Giff rd that the results of sal arean in

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Fassion

Early B Fowner

Lang W Case of Sympathatic Ophthalmia from Which a Secondary Cataract had been Removed after the Admini traiton of Salvar aan Pres Rey See Med 19 4 vs. See Ophth 92 By Sung Gynce, & Oth

The author reports a case in a male 46 years of age in which an eye damaged by a gun shot was removed fourten deys after the injury. Intis began in the previously sound eye fifteen days later four weeks after the injury god though quiet at the end of four months vision continued to decrease

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an indectomy done leaving a clear pupil and a vision of 55/2.

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FISHER spoke of two cases in which the blood picture indicated the disease one before the appear ance of other symptoms

EARLE B FOWLER

Lawford J B Case of Sc ere Post Operative Plastic Iridocyclitis Treated by Neonalynraum Proc Rey Sec Med 9 4 vn Sect Ophth 97 By Surg Gync. & Obst.

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Stevens A R Treatment of Certain Case of Prosintic Obstruction by Cauterization by the High Frequency Current. Am J Surg 1914 XXVII, 01 By Surg Gyace & Obst.

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Cole A P Kidney Function Estimation in Preparation of Patients for Protestect my La-

1914 CRI 406 By Surg Gymec & Obst

The author emphasizes the value and explains the use of functional trats to estimating surgarians in the preparation of patients for prost sections. The tests are considered capable of groung all the necessary information an estimation of the blood uses and rapeated glabilatin tests. The former in a continuous contraction of the contract of the con

The joterpretation of the phthalein test depends

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Frank Brossy

Pilcher P M : Transvesical Prostatectomy in Two Stages A a S g Phila 19 4 lt , 500 By Surg Gync. & Obst.

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The author perform a prelumnary systemsomy for the ranson that following suprapulus existency the patient is out of hed in tweety fou hour the unmary output from the hadder is completely controlled by an apparatus which is illustress there is no unpleasantine so it raumatum due to the passage of the cathete through the urchris and the operation of trans-senial prostatectomy is

already half completed

The author reports to date S success: successful cases in which he has followed that line of transment everty case re ulting in the cooted of urms by the potient and his shill be compared to the use of a catheter. He does not sply this technique to known suspected cases of carcinoma of the products.

SURGERY OF THE EYE AND EAR

EYE

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Elliot R II Henderson E. E. Fleming A and Others Discussion on the Use of Salvarian in Ophthinime Pra toe Prac Roy Sec 16d 94 'n Sect Ophth 98 By Sung Grace & Obst

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and later a recurrence cleared immediately following a second dose the eye remaining quiet through forther operative procedures Eastz B. Fowler.

KAR

Layton T B. Examination of the Internal Ear and Hlod Brain by Stimulation of the Vestibu lar Nerve Cl J 914 M 93 By Surg Gynec, & Obst

Layton bases this article upon observation of the work of Barkey supplemented by conclusions from his own work with these tests. He enumerates frat the ways in which the vestibular nerve may be simulated and the resultant phenomena, including the pointing and falling reactions which occur is the durection of the slow movement of the syntagmus

Bárány helieves that it is the cerehellum which

controls the coordination and it is stimul passing

to this which govern the posting and falling reations. He believes each set of muscles has a center in the cerebellium. On this theory a passing error is evidence of deases of the cerebellar cortex or of the effects fibera passing from it. There is reason to behave that the verms is associated with movements of the trunk and the hemispheres with those of the limbs. A bird epitome of the central coancetions of the vestibular acrive shows that they are numerous and fair reading. The sathler belowestern in the property of the control of the heavy of the vestibular acrive shows that they are numerous and fair reading. The sathler belowester the three properties of the central coance that the method will be developed so as to as exactly in localization. McCall, Jr., J: Indications for Surgery of the Ethmold and Sphenoid Labyrinth; with Reported Cases J Isdie Si II As 1924 vs. 148 By Surg Cysec & Obs.

The author divides the inflammatory diseases of the ethmoid and sphenoid ioto (i) Acute catarhal inflammation (3) acute suppurative inflammation (3) chronic catarrhal inflammation with hyperplasu (4) chronic suppurative inflammation and (3) chronic catarrhal inflammation with suppuration

The cases under the first two classes clear up under pullstave treatment

The cases of the chronic type the author trests surgically by removal of the middle turbinate and extermination of the chmodal and sphenoidal labyliath in order to obtain draining and permit medication to reach the sute of the diseased itsues.

medication to reach the site of the discused tissue. He cates the history of several cases illustrating the results obtained by treating these cases surpoil by in which he reheved not only the local massl and ever symptom but neurasthems, stometh trouble

end dysmenorchaese

Cirve gave it as his opinion that too many manal conditions were treated surgically which would clear up under alterative and chiminative treatment Spour relieves many of these cases of ethnous

SPORM reheves many of these cases of ethnood fofammation by submucous rescution of the septum and believes is doing as much surgery in the nore as is necessary to insure the patient sgainst month breathing

PARKER urged that before and after all intranassl operations of any magnitude the refractive condition of the patient be thoroughly gone over KILES I PATKERON

SURGERY OF THE NOSE, THROAT, AND MOUTH

Alcohol

THROAT

Bucher W M and Chamberlin W B Alcohol Injection in Tubercutosis of the Larynz It at M J 914 Em 379
By Surg Cynec. & Obst.

The gratilying results obtained in the relief of pain and dysphagia in laryngeal tuberculous of the aryteno-epiglottic type with the ease of administer

ing the treatment proves its great practicability.
The technique is as lollows. With the princet in a horizontal position the left aide of the liryar is grasped with the first and second fingers of the right hand and with the thumb sail of the same hand the middle posot of the superior border of the thyrold cartilage is located at which point the internal branch of the superior larrangeal nerve pierces the theroid membrane The thumb neil morks this point and the needle is introduced perpendicularly to the skin for a distance of t 5 cm Moving the needle slowly about until it causes sharp pain radiating to the ear sufficient warm 85 per cent nlcohol is then alonly injected to relieve the pain The operation is then repeated on the other side During the operation the patient should avoid both apeaking and awnilowing CLLEY J PATTERSON

Paterson D R 1 Three Cases of Foreign Body in the Bronehus, illustrating Points of Interest P oc Roy Sec Med 9 3 Laryagol Sect lly Surg Conec & Obst

Priterson reports three eases of foreign body pinkish in color which color so nearly resembled the mucosa that estraction proved d ficult

TILLEY MARTINEAU and HARTINGS ench re ported n case of sarroma of the nasopharyan treated by radium emanations Each case was treated by in erti g into the growth n tube coots ming from 40 to 82 mg of radium bromide which was left in for (nent) four hours a th disappearance of the growth in n len day In the discussion which followed the gen ral consensus of opinion was that the nearer the infiltrating growths approach the embryome tissue it gre tee the lk bhood that radium ill pro e ben het l That all opemble cases of sarcoma mod epithel oma should be trented with radium even though the patient should have a recurrence of the growth sooner or later

LANTON reported two cases of bilateral abductor paralysis both of ab h gave pos tive lin sermana resction on t improved under mixed treatment 11 niso reported n case of subglottic aw ling of the laryng tremed with sal mesa which impro ed rapidly ob using the necessity for immediate tracheotomy

Io the discussion which followed it was noted that salvarsan in these acute obstructive laryngeal cases frequently works wonders as it relieves dysphora immediately while on the contrary potassium todide first increases dyspnæa. FALEN | PATTERSON

Torek F t Laryngectomy Combined with Gastrostomy S & Gy ec & Obst 1914 II By Surg Gynec & Obst.

The dangers incident to the feeding of a patient through a tube in the ersophingua alter extensive laryngectomy especially il complicated by resection of the pharynx are injury to the auture line and sniection of the sutures. These are likely to be separation of the fracheal stump aspiration of discharges and poeumonin

To circumvent these dangers Torek performed a Untrel gastrostomy after completion of the laryn gectomy and fed his patient through the gastric fistula. Although the case was far advanced requiring not only the removal of the whole larvax and epiglottis but also a resection of the anterior wall of the pharynx and base of the tongue the after trentment was much simplified by the gastric fistula feeding The pharynx fatula closed four and one half weeks after operation and the patient was then able to swallow both fluid and solid food The gastric fistula closed promptly

The addition of a gastrostomy to the extirpation of the laryax does not add materially to the severity of the operation as the laryngectomy is done by Torek under local nazesthesia. In advanced cases the dyponea forbids operating under inhibition nozethesin unless n preliminary tracheotomy is performed which however is preleably avoided in the interest of asepsia. Avvocaine one-hall per cent with suprarenin is employed Deep Injections block the superior laryngeal nerves and anzesthetize the tusues about the traches and larynx Super ficial injections are made corresponding to the lines The stump of the transversely divided trachen as autured to the akin Through this traches opening in inhilation narcosis may be ad min tered for the performance of gastrostomy. This ndd to n to the technique will prove of good service an many difficult and extensive cases

MOUTH

Sturgle, V G Mised-Cetf Tumors of the Soft Paint 5 g Gynec & O5 ! 914 By Surg Cymes, & Obet

Mised cell tomors while most commonly found lo the salivary glands are occasionally found in other 205

and later a recurrence cleared immediately following a second dose the eye remaining quiet through further operative procedures Easta B Fowner.

FAR

Layton T B Examination of the Internal Ear and Hind-Brain by Stimulation of the Vestibu Iar Nerve Cl J 9 4 xl 93 By Surg Gynec. & Obst

Layton bases this article opon observation of the work of Bärfarja supplemented by conclusions from his own work with these tests. He enomerates first the ways in which the vestibular nerve may be stimulated and the results in phenomena including the pointing and falling rescions, which occur in the direction of the slow movement of the systegistic Bärfarth wheleves that it is the cerebillium which

controls the coordination and t is atmush passing to this which govern the pointing and falling rest tons. He believes each set of muscles has a center in the certeblium On this theory a posting error is evidence of disease of the certebliar cortex or of the disease that the certebliar cortex or of the disease that the certebliar cortex or of the disease that the partner contact of the disease that the partner contact of the time to the partner contact of the time to the certebliar connections of the vestibular nerve about that they are numerous and far reaching. The author believes that the results of examination of the vestibular nerve is therefore valuable in diagnosis of servous arreve is therefore valuable in diagnosis of servous that the method will be developed so as to air strately in localization.

McCail Jr., J 1 Indications for Surgery of the Rismond and Sphenoid Labyrinth with Report of Cases. J I dismo St M Arr 9 4 Vm 145 By Surg Gynes, & Obst.

The suther divides the inflammatory duestes of the ethnoid and sphenoid into (1) Acute extends inflammation (2) acute suppurative inflammation (3) chronic external inflammation with hyperbasic (4) chronic external inflammation with suppuration and (before external inflammation with suppuration The cases under the first two classes clear up under

pallative treatment.
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CLIVE gave it as his opinion that too many nasal conditions were treated surgically which would clear up under siterative and eliminative treatment. Sporty rehates many of these cases of ethmod

Stoffy reheses many of these cases of camoon infammation by submucous rescutoo of the septem and helseves in doing as much surgery in the some as is necessary to source the patient against mouth breathing.

PARKER urged that before and after all mita massi operations of any magnitude the refractive condition of the patient be thoroughly gone mer Extent I Partieson

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TABLE OF CONTENTS

1 AUTHORS INDEX OF ABSTRACTS OF CURRENT LITERATURE ΤĪ m MONTHLY CRITICAL REVIEW ABSTRACTS OF CURRENT LITERATURE n ABSTRACTS OF SOCIETY PAPERS ٦ BIBLIOURAPHY OF CURRENT LATERATURE ۱ı

XII Гu 233-235 216-120 120-322 323-348

216

16

46

47

ABSTRACTS OF CURRENT LITERATURE GENERAL SURGERY

10

SURGICAL TECHNIQUE

Operative Surgery and Technique BARTLETT W A Simple Method of Sterlining and Storing Catgut

Annethebes

PAL I Papa empe as \ssomotor \gent and Inastheuc

SURGERY OF THE HEAD AND NECK

Read Als or 4 p LERICHE Resection of the Auriculotemporal Serve and It Effect on Parotid Secre

MACAE & O W The Ducases of the Manillary Dt H S Some Surgical Condition of the

upys # B AC repurson of the Ouset and Ch facter f the \poplexy Caused by Cerebral 37

Wack

SMITH L Does the I ternal Admin tration of Po-tassium Iodide Have Any Effect on Thyroid Grafts in Guines Pre

SURGERY OF THE CHEST

Chest Wall and Bec at

R C Ca cer of the Breast at a Boy Faftren bio area? PE RSON II The T changue of Operation for

C remona of th Breast

JACUL On Pressure on the Thora in Place of art hetal Pine motherax to the Treatment of

Pulmon ry T berculosa S rome of Thymus Mit PR J B S rooms of Thymus
Harm F Experimental St dy of the Thymus
the O ries and the Blood Picture

Traches and Lungs

Brance I I And Lustral Case of Stenoon of the Re ult of Primary T berculous of Traches the Orga

Heart and Vascular System

C are A AND TOFFIE T Anatomico-Pathologi I d Fuperimental Study of the Surgery I the Unface of th Heart

Pharenz and Esophagua Carnet A. C. A New And for the Diagnosis of

Stricture of the (Esophagus SURGERY OF THE ABDOMEN

Abdominal Wall and Pentoneum HARMEREN Treatment of Circumscribed and Diff June Purulent Perstamon following Appendicates Striv I F E retration of the Duphragm with Report of Typical Case with C Ray Diagnosis Mayes E Obtarator Herma

243 Garrent J P C Ducases Connected with Meck Do extresistes

Gastro-Intestmal Tract

Pres A H Preparation of Barum Sulphate for the Opaque Mral Surra G M An Experimental Study of the R la-

tion of Bile to Ulceration of the Mucous Membrane of the Stomach

CARLE P Localization of Ulce of the Stomach and Duode

CARTER R M 4 Brief Consideration of Some Recent Test for Gastric Carcinoma HARTH A H Hypertrophic Stenosis f the

Pylorus in the Adult ENRIQUEZ AND GOSSET I clusion of the Pylorus 245 STONE II B BERNHETH B M AND INTERPLE G 11

The Language and Study of I testinal Obstruc-Iron SPEEKE J Sarroma of the Small I testine

Gover Avo Masson Ductless-Gland Tumors of the Appendix

HE TOURE Appendictus and Hypothy roidism Heogral Tuberculosi W EXES] SORREL L Chronic Intestinal Stasts

247 Muzeur J B Congen tal Dilatation of the Colon - Parry Disease 248

-Parry Duesies
VC B R Lat Results of Operat Treatment of nore of the Large Intests and Rect m
SPFEL 1 New Velethod of Operation for Inguitation and Prolapse of the Rectum in Nomen 249
Ct for B A Detail of Technique in the Abdomino
Per ea Lixt qualton of the Rectum 249

Liver Pancreas, and Spicen.

Entor Js E A Consideration of Certain Coexisting Leson of th Gall Bladder ad Kidney DOCQ TO LAN PSE Ex Study of Tumors of the Ampulla of V ter

Leys Simulation of B hars Calcul 152

253

252

213

255

57

58

SURGERY OF THE EXTREMITIES

Diseases of the Bones, Joints Muscles, Tendons --Conditions Commonly Found in the Extremities. TELFORD E.D. Lemnusis Osera a Report of Case

and a Rest wof the f terat re WENGLOWSKI R Mal grant Tumors of Bones a New Method in Conservative Operative Frestment

MUNITY J B Ostenus Fbrosa C) tien of Upper End of Fernus O'RETLY A. Joint Syshiles
FLY L. W. The Pathology of Tabetic Arthropathy

Preluninary Study of Two Care ROTHSCHILD M A AND THALMPITE W mental Arthritis in the Rabbet Produced with

Streptococcus Mittle The Practical Management of Rogram P W Chronic Ostro- Intarità

Wanepourr R The Treatment of T bercular Court

SETTE J W AND FIGURE L W Tuberculou of the Luce Joint in Children CRAMENTERY T Treatment of Goographeni Jose

Discusers, with Special Reference to Serger and Lucius Treatment

Baows W. L. and Baows. C. P. Technique for Arthroplasy of the houler Joint. Vo. Scir streets, A. C. Midt ple Tumor For mation in the Region of the Win 1 Joint.

G AT T P AND ATEMATY M J On My load Tumors of Tendon Sheaths, with Report of a Care 235

Fractures and Dislocations

Marsur J B Fract res in the \engtherhood of g W G Dugnesi and Treatment of Joint 1 sectures I traceps in Reptute of the Long Head

Fifter J. I tream is Reptute of the Long Head f the Begin He Relation to Arthritis of the Sho Her Joint Remov J. Spontaneous Dislocation of the H p.

Surgery of the Bones, Joints, Etc. Booe-Transplant

Tuon 4, II B Esternal Bon Plating Prehmusary AUSTR Report F II The I by Bone Graft in Fresh

I metures Bone-Graits S FITT C Bone-Graits
GALLER, W T AND RESERVED D E. The History
of Hone-Graft

of Hone-wrait
of Charles A C The Preliminary
Report on th Treatment of Fractivets by Figure on the Animal Bone Flate and Bone-Screws
He Harry A. F The Operative Treatment of
Fract ret, Demonstrating the Use of Steel
Flates for the Correction of Bad Fractures

REY ALDO DOS SANTOS Operative Treatment of

Sample Fractures
South R E A Further Cogniteration of Arthrodes in the Treatment of Paralytic and Other
Acquired Del routies of the Foot

Orthopedics in General

M est al. H W vo La o acres H L. Some Hygicine Test Applied to Orthopedi Conditions. 250 Bruch w A 11 Orthopedica in General Practice 250

LINETT R W. The Causes and Treatment of Chrome Ba kuche, with a Consideration of the Dugnous | Sacro-flux Relatation Potace H C Some Common Facial Deformines from an Orthodontic Standbount

ROTE P B A Case of Consental Defect of the PACKARD G B The Management of the Conva-

lescent Stage of Hip Duesse
Gener E. S. Supernumerary Bones of the Foot—
the So-Called Tarmba

SURGERY OF THE SPINAL COLUMN AND CORD

An use Z. B The Causes and Their Relation to the Treatment of Lateral Curvature I the Spinst
Gallary, II P II The Treatment of Paralyte
Scolonia by Bone-Gralting
Forest \ \ \ Children of the Paradencal Roiston

or Physiological Treatment of Scolous
Parezz II L. The Treatment of Scolous by the
Abbott M thed

I CEARD C B Recumbercy in the Treatment of Polt Disease

Russov L. W. Post Desease Albre Boge-Graft ing Operation Results in Series of Twinty Sta Carr REFERENCE I' W Th The splantation of Bone in Port Disease

Process of the Fifth Lumbar Vertebra Bifurcation of the Transverse

SURGERY OF THE MERVOUS SYSTEM

168

Want, If R \curobiastomata with a Study of Case Illustrat g the Three Types that Anse Iron the Sympathetic System I) rect Transplantation of Nones min HEINE E

Muckes P B New Experiment in Nerve-III VPIKOK

DISEASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

La SE, II The Present Status of Lupus Treatment 165 MERCHAN, J Revolts ! Combined Treatment for Lupe SALOROW The Trestment of the Lex with Ditylen 205

MISCELLANEOUS

Chalcal Entitles -Tumors, Ulcers, Abscess & Eic. MICHIER J B Lactors of Resistance to Hetero-plantic Time Grafting Studie in Time Speci-Sory

(SOL) WER J Experiments in Transplants in ITasues Staned during Lif CARRYL A Th Transplantation of Organs REGAM L II Complications following Supposit

Oregations

Sera Veccinse, and Ferments

Vor Z Strrext.] R Studes of th Mesotagous Raction in Carmonia and Prepancy Hirenize, A P Current Developments and Prob-iems in Vaccase Therapy Bra ar, A C. Vaccase, and Serum Therapy in Septiment

U.zt. R Studies in Anaphylash Stu C Hular Theory of the Graph c Method Stud

INTERNATIONAL ABSTRACT OF SURGERY

BUKE, E Further Experience with the Irradiation Riced HILL, L. W. Report on Leucocytic Inclusion Bodies 250 SCRATTAVER F. Treatment of Internal Hamotriage 260 COMMENCY C. G. The Technique of Comparative of Caremoma COLF L G Rontgenocinematography of the Stomach and Cap DODZELEN A AND VOY SELFFERT E Further Expense of Caranoma Hypergenus DE TARNOWSKY G Personal Experiences with Coaguilto-Kocher Fonto
Lucanory A. W. The Biological and S. rgical Sig
mificance of Thrombolimase Militare, C Physical and Biological Basis of the Effect of Radio-Acti Substances Especially Mesothorum, and the Possibility of Substituting Assesse Ja S F t Embolism in Fractures, with Rönigen Rays for Them Special Reference to the Early Symptoms

Blood and Lymph Vessels

Channels

Housters J S Surgical Repair of Blood-tessels Its Technique Its Uses and Lieutations Mouse, P Study of Transplantation of Blood Vessels and Particularly Its Application in Surgery to the Reestablishment of the Continuity of Blood Vessels and Musculomembranous

Surgical Therapeutica

WATELYS T I Treatment of Infected Wound Electrology COMMERCATOR, E. P. The Influence of the V Rays on Some Cases of Persistent Suppuration

Military and Kaval Surgery

MEYER, A W Infection of Wounds in War from Expenence in the Balkan Wars, 1913-1913 Manras, M. Experiences and Impressions in War

273

271

Surgery nan Army, the 1sth and 19th (1st and 4d Saxon) and 1sth (Impenal Warttemburg) Army Corps Icom Oct. 910, to Sept 10 1017 Presented Sympositive Samutary Report of the Imperial Prusfrom Oct. one to Sept 50 1911 Prepared by the Mechcal Division of the Imperial Pressian

Ministry of War PODESTA Military Marine Statistics of the J panese Sanitary Service in the Rimso-Ispanese War Translation of the Japanese Sanitary Report.

GYNECOLOGY

78

Br

Titerus JAMES II M ome and Curcumous of the Body of

the Uterun TARYER, P Carcinoma to the Uttrus and Adness at the Same Time Principles of Our Treatment of Cancer of the Uterus

77 WEIGHTSCH C Treatment of Genetal Carcanoma with Mesothonum Von Gray E Effect of Pregnancy on th Growth

78 78

Vox Gasr E Effect of Pregnancy on th Growth
of Malagnant Turons
Bfc.thr. Rentgen Treatment of Myomata
Gates C I vox Larysti B Menothorium Treatment of Myomata and Metropathes
Roy J E Abscrass of the Wall of the Uterus,
and Then Treatment

ADLER L Causes and Treatment of Harmonthage of the Uterus CLARK P S Gland lar Extracts to Menstroal

SCHRÖDER R Condition of the Uterme Mucous M mbrane t the Time of Menstruation BANDLER, S. W. THWAITS J. A. Constit tional Dysmenorth Hemato-therapy in a Case of Memor-

ARMARY J ... INCREMENTARY IN 2 CASE OF JAMES - haps of Puberty ... About B Fasca Lais Implantation in the Treatment of Gental Prolapse in the Female WEBEL, W Operative Treatment of Recurrences after the So-Called Vescovagual I temposition

of the Uterus ORMANT C on PETER-DUTARILES B High Amputation of the Cervix Combined with Col-pertomy — Boully Operation — in the Treat ment of Prolapse LENORMANT C

A New Technique for Total Hyster SCOTT A C

Uterus Duplex Cum \ agına B partita

Adnexal and Pernyterms Conditions

DE JOLG L Anatomical Chincal Study of the

Overy m Nortan the Interstitud Gland m
Patients with Tuberculous and Fibroma
KLEMPERER, P Interstitud-Celled Sarcona of the Ovaty

DON A A Hydatediform Mole with Lutein Cysts of Both Ovenes, Hysterectomy and Double Overrotomy LEYDON A

LIPSCHITZ, K. A Case of Primary Caremona of the Tube Developing after an Old T berculous

BELL W B A 'es Operation for the Treatment of

Suppurative Salptomitis in Young W men

a M A The Non Operative Treatment of

Conorrhund and Septic Pus Tubes, Perimetritis, nd Parametritis LAMEARING F Large Cystic Lymphangioma of the Right Blac Four

External Genetalia

EDELBERG K Ethology of Cancer of the Vegina
FRANCEY F Treatment of Vesicovaginal Fistulæ
by the Transvesical Route SCHRIDGALL, G Bacteriological Examination of the Lagonal Flora of New Born Girls

Miscellaneous

Voy Grave E Basedow s Disease as a Contra inch cation to Gynecological Röntgen Treatment in E. Treatment of Sternity in the F male

K EUROBED N M Exploratory Puncture as Method of Treatment in Gynerology

Method of Treatment in Gynemlogy

BACKRACK M Assumlation Pelvis the Heidelberg Univ rath Gynecological Clause

Moss S Experience in Intravenous Injection of
Arthgour Gonorrhoza in Women

OBSTETRICS 200

Pregnancy and Its Complications ORLOTY A N Finlogy | Extra Uterine Pregnancy GREEDIEW W. S. I stra Uterine Pressa CV

Maria C C Ovarion Gestation
Deusary S J Extraperitoneal Casarean Section w th Report of a Case

Manuel Cer L. Study of Placents Previa P per cially Placent Previa Accreta REINHAUDT L. Danger of Tagronouse in Placenta

Large F Tuberculous and Pregnancy Pacitis Complicating Pregnancy

Di anaw J G Gall Stones Complexing Pregnan-SALADERS C. A. The Management of Premaney Labor and the Putmen ra ***

SCHAUTA F Chara T more ad Pregnancy Presales L. D. ruenlum of th therm and It Relation to Presnance

Labor and Its Complications

GILLESTIN W The Problem of Used Ontone Drugs d mag Labor Pa I pon Scopol more Injection on P rt recent

BRODHEAD (L. \ mtus Utennus

Bichters R. D schape I a Ot nas Cyst from
the Anus during Ikilver)

Puerperium and Its Complications ZWEITTL E Eclampesa fier Total I surpation I R pt re of the Uterus with Severe Internal Il P ra

Treatment of I tl mpst 13 sed on th SCHOOLER A Experience of th Longstong L No Clas SELUCIANA S Priology of Endogenous Paemeral I forthen

BESELTISCHE AD L. Puerperal Staphylococcus Sepan 204
TELERAR J. H. Complete In ersion of the Utern
folio ung Delis y
Lucius, P. The Treatment of Post Partum Ham-

rrhage by the I tra cross I jection of Ily поорун

Miscelleneous

MISSER REGG, IL. fertilization and fundantation

of the II man O um STRILL S Concentral Interes BLAT & P The Treatment of a Case of Birth

I ract re of the Shalt of the Fernur Lton R. A Case of Acardiac Apencer balus 11h

Layand the nee of Both Violler Ducis
Layandreus J The Frequency I Guant Chil
dren and The Surpheance in Obstetnes ROLLY I I AND AMLEX S S PRINTE

AN LESON L F Charcal Expenence with Pituting m Obst Itics

The T rapon in Obstetnes and Grac Clan cal and Bacteriological Stud SCHREITZE R Lactic lod Impation Prepar () 197
RECEITZE, J AVO Pleas \ The Most P orable are
for the B rib of the First Child

HECEIRE AND LORDAY Hypertrophy I the Breast in Pregnance Besen J H The Importance of Lem by a during

Prepuancy and the Sumufice on of the Postine OTYTOCKS TANG S ! Extract of Hypophysis as Daytone and

L I S II De of A kophin in Obstetnes
Semiarone I J P Del very a thout I gintle I vamus I m

GENITO URINARY SURGERY

202

201

#at

Kidney and Urater Br Acous 1 II take cal Cont button to the Study

of Congenital Un lateral trophy of th Kidney Kieles C I A Case of Undateral Renal Aplana HARPSTER C M \ I teresting C se of Renal ath Three Anomalou Ren I Hemat na Artern

BENJAMES \ L. () six Kidne)
Alice Siew L. \ Surgical Operation in Poly cystic Kutnes Orarat, II \ Contribution to the kno ledge if

I' permental \ phritis
\\zerri \ \ta \\ instead \ hatomical Study of the
I rly St gr of Chronic Tuberculous of th hid

SUZER F Treatment of the Lecter and Healing of the Wound on Aphreciancy for Andary Thermoless ROBERTON W. L. Andrey, O mane. In Special Suzers on the Special Suzers on the Suzers of Suzers on the Suzers of Suzers on the Suzers on the Suzers on the Suzers on the Suzers of Suzers on the Suzers on the Suzers on the Suzers of Suzers on the Su SUTER I Treatment of the Letter ad Healing of the

Occlusion of the Uterer

FISCHER \ \ \text{\text{tone of the Uniter in Child One On II II \text{\text{Verify}} \text{\text{Sin D} \text{\text{\text{Special Special Sin D}} \text{\text{\text{Uniterial Special Sin D}} \text{\text{\text{Uniterial Sin D}} \text{\text{\text{Special Sin D}} \text{\text{\text{Uniterial Sin D}}} \text{\text{\text{Uniterial Sin D}} \text{\text{\text{Uniterial Sin D}}} \text{\tex Stone of the Leeter in Child One and I tra contally

Bladder Ucethra, and Penus

Sw w R H] Tumora of the Urnary Bladder
H and { Traumatic Detachment I the Blad all Traumatic Detachment I the man-de from Symphys Pub with Complete Severance of Urethra Use of Laba Minora as Subst t i low Verrosed Anternor's ginal Wall art C The Correct I i rpretation of Bladder

M an C Symptoms
Surgery of the Hour Glass Bladder
Doz II Urethrectomy a thout Sut re in Strict re
of th Personal Urethra
Rotti V Axi V IXX T The Practical Value of

The Practical Value of Postcron Urchimotopy hand Joseph G. Lat Result of Urchimotopisty by Texasching and Sim forthing in Severe form of Hypospecha and Epispodia Sixia S. Technique handiojed in Encuon of Cormonomotopus Urchimotopisty and Servers 1.

GENERALIZED LA Carcinossa of th Penis LEOVII G \ Case of Double Penis

300

334

316

3 0

Genital Organs

HARDOLIS Cancer of the Testicle Operated Upon by le Castration Recovery without Recurrence

after Eight Years HARDOUT AND POTEL. Two Cases of Tumor of the

CORNER E M Furthe Expensences in the Treat ment of Imperfectly Descended Testucles THOMPSON R An Operation for Undescended Tes

ticle CLA & J B Th Surgical Treatment of Acute Gonorrheeal Endsdym tis by Epididymotomy

STELVER, P The Surgical Treatment of Atrophy of the Prostat KEYES JR E L The Mechanism of Prostatic Retention

THOMAS J L Note on a New Combined Method 306 of Prostatectomy 306

LEGULU AND MOREL Value of Losmophilis in the Disences of Surrical Diseases of the Prostate

Mescellaneous

ENSENDRATE D \ The Value (Radiography in the Surgery of the Unnary Tract

SURGERY OF THE EYE AND EAR

307

307

Eye

ELLETT F C Some Remarks on Glaucoma
WELTON C B Glaucom as a Contributing Etio 310 logical F ctor in Insant with Report of Case For, L W Modern Operations for Glaucoma with

Especial Reference to the Elliot Operation of Corneoscleral Teephinin,

Man (HERVE) A S beonjuncti al Cataract E

WHITE C M II The L traction of Diabetic Cata-JENARY C J Case of H matoma luns Operate e Trestment

BEWETT F TI AND MCKE size D 4 use Purulent
Ottis Media with Signs 1 Acut Labyrinthitz
Recovery without Laby each Operation

BROWN E L An 4 tomic Stud of Case of Temporal Conus (Caloboras) in Hyperopuc Eye 3 R Fatient after Operation for Aural V ringo 311 A AL

The Es S G Two Cases of Coul Disease Isso-cated th Prorthers II columns
Holder W 1 A F (th Case of Acute Diseasemented M) his with Retroit its I flammation of the Optic Verves

Vitt. AN W Cerebellar Ubscess Operation R CON TV

PARK W. R. Report of a Case | Dermoid Cyst of the Orbit Producing Marked Exophthalmon, Rehes d by the London Operation REI HOLD C H Scierocorneal Teephining for Staphyloma

TIMBER, II II AND MCCULLDLOB C P Sporotrichou of the Eye

GROUT G H A Case i Permanent Impa ment of Vision following Gastro I testinal Hamorthage

COVINGUAL, I M Chronic S pourtion I the Middle Ear MILLION W Mahmant Disease of External Ear with Extense I asson of Temporal Rone

Operation Recovery
McKzerz, D Mastord to without Perforation of

the Tympanic M mbrane CAVESTEO C Parotid Fatule following Mastord

Operatio s

BECL O I stulk Symptom in Non Supports to Dressess of the Lar STEIN O J Syphil f the Ear SCOTT, S An Uncommon Form [M lignant Disease of La

SRAMA STEER G E The Semicircular Canal a d the I unction of Equilibri in

SURGERY OF THE NOSE, THROAT AND MOUTH

3 5

3 5

. .

Nose

Alexander L. D. Adequatements of the Nose Chancelone Revers and Can Report Lawrence and Lawrence

Thro t

HEVAR F New Experiments as to th Physiological spubcance of the Tonal

Hupson Makur G Surgery of I usual Tonsil as t Relates t the Function of the Tongue and Soft

Palate in the Prod ction of Soice Br a J C Cancer of the Larynv with Special R f

Jon too R H Straight Direct Laryngoscopy
Bron hoscopy ad Esophagoscopy

Mouth

BANCH C I The S rigidal Treatment of Post
Operat Falt is Defects
BLODGOOD J C Cancer of the Tongue Based
pon the St dy of over One Hundred Cases

pon the vi a journer one Hundred Cas Mt. v. j B Carenoma of Tongue at Th rty-One Bit. v. j B T berealoma of th Tongue Carcinoma of Tongue at age of 216



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INTERNATIONAL ABSTRACT OF SURGERY

CONSULTING EDITORIAL STAFF-Continued

SURGERY OF THE EAR

AMERICA Ewing W Day Max A Goldstein J F McKernon Norval II, Pierce S. MacChen Smith. CANADA H. S. Birkett. ENGLAND: A IL Cheads ECOTLAND A Logar Turner IRELAND Robert II. Woods.

SURGERY OF THE NOSE AND THROAT

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AMERICA, S. W. Bandl e. A. C. Brek. Danel L. Breden D. H. Bopf Anna M. Brunswarth. L. Bullet W. H. Cary. Sidney A. Chaitant Evertal Corp. B. A. E. Conter. P. C. Rasthrenger, Libia K. P. Frenze W. H. Tenne, B. Generod S. Brewed S. Brewed S. Brenze J. Origin. R. B. Coletonski. C. D. Hunth. R. Spred. R. Breden, B. C. Breden, B. C. D. Hunth. R. Spred. R. Breden, B. C. Breden, B. C. D. Hunth. R. Spred. R. Breden, B. C. Breden, B. C. Lerner, Revenal L. Espred. Rever B. M. Breden, B. C. Lerner, Revenal L. Espred. Rever B. M. Breden, B. C. Lerner, R. Breden, L. Espred. Rever B. M. Breden, B. C. Lerner, R. Breden, L. Espred. Rever B. M. Breden, B. Refel Lorial Donald Massunker. Herry B. Mutherwei. L. P. Millegan, Arther A. Hover, Boss. McPherson Albert E. Pegan Georg, V. Patricker, W. D. Dellinger B. Houther, B. C. Breden, B.

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A Doderlein Ph Jung B. Kroung C Menge O Pankow E Runge E. Wertheim W Zangemeister placenta. He believes that by this method the interests of the child are better consers of without detriment in the mather. Those who employ the dulting bag are careful not to use the largest size and to evert pressure gradually and with as bittle disturbance as possible. Some prefer employ the bag before practicing combined version. The introduction of the bag is not al ways easy for those who are not accustomed to obstetric manuplations, and in unsiciful hands the attempt may separate the placenta evten alveys under the placenta evten alveys under the placenta evten alveys under the placenta evten alveys underseas between the

The results of the treatment of placenta previa by rupture of the membranes the use of the bag, and combined version without extraction are given by Couvelaire (4) as follows. In 16s cases with a maternal mortality of 67 per cent, and a fortal mortality rangum (from 44 to 66 per cent.

In Zwettel's chinc in too cases of placenta price in Schweltzer (5) freated in cases by combined version with a material moratisty of 33 per cent and a fortal mortality of 688 per cent. This was increased by the death of children a few days after delivery bringing the fortal

mortality to 87 5 per cent.

The intra annual use of the dilating bag was peactized in 39 cases with a maternal mortality of s6 per cent and a fectal mortality of 56 8 per cent. Where the membranes could be reached and ruptured in 5 cases there was maternal mortality but a fectal mortality of 35

per cent.

Schweizer in his paper has collected the mortality rate of twelve ather clause and find that in their experience placenta prævia has a mortality for the mother of from 5,5 to in per cent. In all clauses there is considerable maternal.

morbidity
Cragin to whom reference has already been
made m 49 cases of placenta previa at the Sloso
maternity had a maternal mortality of 8 r per
cent with a first inortality of 37 per cent

All abservers agree that placents previa a frequently followed by post parturn bleeding and that the may become fatal Some would pural against this by the application of Mosa burg's bandage at the moment of delivery and others would rely upon intra utenne packed with nodolorm or sterile gaine. That More burg a bandage may become a source of danger is membassical by Visyer (6). Amora and albu musually accompanies this method of treatment.

In cases where but a portion of the placenta re over the internal os and dilatation proceed tanidly and aternae contractions require stimuts tion Trapi (7) and Hauch (8) and Meyer (4) have found benefit in the use of pituitria. Can must be taken that the certur is dilated, or readily dilatable and that the presenting part is well in the pelvic cavity.

Where cases of placenta pravia can be tranported promptly to the hospital while in good condition and before efforts have been made by vaginal manipulation to check hamorrhage or bring about delivery abdominal createsa section

offers the best chance for mother and child Sopiades (rn) reports 3 snocessial cases, one of them terminating in supra aginal hysterectomy Two of them had hving children upon admission, and these children survived the operation in good condition

Pankaw (11) from the Frenburg clune, reports 38 cases of placenta pravus treated by abdomnal casarean section with a maternal mortality of 2 5 per cent, and a firstal mortality of 2 9 per cent

Fehing (12) believes that where the certir is not dilated and the placents previous is certiful that abdominal creaters section is indicated Zweifel at the same congress drew attention to the instant creation of harmorthage following (thivery by abdominal section)

For hospital cases, with the mother m family good condition Frigy sea (13) considers abdominal casarum section the best method of treatment hrong (14) considers abdominal casaries section as the aufest method of delivery for mother and child for patients treasported in the hospital and in this opinion Sellbeum (15) consumed

The author has for several years employed abdormal owners section to cases of placents pries a brought to the bosputal. His operation up to date number eighteen with an material mortality the forest mortality from 40 to 50 per cent many cases bring brought to the hopstal exangunated the babies already dead

A fair comparison of the results of what may be termed the private house treatment of placents are not as the property of the combines, the use of the diluting bag and combined erson may be obtained by taking Coucleaire's statistics already given of a maternal mortality of 67 per cent and a fortal mortality of 44 to 66 per cent. With these results should be taken the statistics of Hers (160) who report 36 ccues of placenta pravia treated in private houses. Among these patients the superiorism private houses, along the property of the membranes, diluting bags combined version and other forms of vagual lelivers vere employed. The maternal may fin as in oper cent.

r sed from 40 to 60 per cent

When these results are compared with the results obtained by abdominal casarean section with a maternal mortality ranging from 2 5 per cent to nil and under favorable conditions a fortal mortality of 2 9 per cent the advantage of

prompt treatment hy section becomes evident This question of the treatment of placenta prævia has a wider significance than the mere handling of this condition The results obtained in complicated parturition will not be improved materially until such cases are considered of equal graylty with ectopic gestation appendicitis ovarian tumor with twisted pedicle and other serious intra abdominal conditions. The latter cases are almost invariably taken to the hospital and the comparatively low mortality of these serious conditions under good treatment is acknowledged When complicated cases of par turition receive similar attention a decided im provement in mortality and morbidity must result. Those who have bad experience in abdominal cresarean section for placents previa have lound that harmorrhage ceases as soon as the uterus is emptled that the uterus contracts promptly and that intra uterine packing with to per cent todolorm gauge carried from above through the cervit and vagina is an efficient means of checking post partum harmorrhage and preventing relavation. Simultaneou ly with delivery the patient may receive intravenous saline transfusion which acts as a powerful stimulant These surgical advantages can scarcely be duplicated by methods which the

general practitioner can use in private houses Where the placenta is not central but extends upon the upper uterine segment infiltration of the uterine muscle with blood and necrobiosis may be present. In these cases if the uterine muscle be softened considerably it may be necessary to terminate the operation by supravaginal bysterectomy The causes for this condition are not clear but unquestionably autolysis is present and partial separation of the placenta has caused gradually the extensive infiltration with blood This condition must be kept in mind not only in dealing with partial placenta przevia but with accidental separation of the normally implanted placenta It is most important when it occurs in the upper expulsive segment as it may inter fere with permanent contraction of the uterus

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- 7 PACE SIGNATURE I GEORGIAN OF SERVICE NO 4 8 HAUCH Arch mens L'Obst 1918 Oct 9 MEYER Arch mens L'Obst 1918 Oct 10 SCIPLANDS Zentralbi f Gynal 19 N PANEON Zentralbi f Gynal 9 N

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 - Lavic T VI Internat Cong Obst u Gynak
 - Bert 912 SELLECIE Tr VI I ternst Cong Obst u Canak

 - 6 Hraz Pros Cong Araka

AUTHORS of the original contributions which are abstracted in this number

Adams, ZB 26	Enriquez, 245	Lient G 306 Lipsch is K 86	Schmdgall, G 188
Adler L 79 Aigrot, 236 Alber F H 257	Erving Il G as6	Lipsch tz K 86	Schröder R 280
Aigrot, 230	Each, P 193	Liwanoff 4 11 270	Schweitser B 197
	Fichez, J. 256 Fuscher A. 300 Fiske E. W. 254	Loch, H W 321	Scott, A C 284
Alexander L. D 1 5 Allen, H R 57	Putto P W an	LOVELL R. W 260	Scott, S 314
Allen, H R 57 Amberg Jr S 270		Laboret M. II . c	Seligmann S sos
Anderson I. F., 206	For L II et	Lubman, M 5 5 VacG lluray, A 310 Mackenne, G W 37	Sever, J W 254 Shambaugh, G E 314, 322
	Francey F., 88	Mackenne, G W 37	Shedil S 204
Bachrach M . 280	Furniss, Il D 303	Makkas, M. 74	Shurly B R. 312
Bachrach M 280 Bandler S W 28	For L II 31 Francey F., 88 Formers, II D 303 Gardland, II 208	Markes, M., 74 Mares, C. C. 200	Sheal, S. 295 Sheal, S. 295 Sheal, S. 295 Sheal, A. 249 Smith, C. 237 Smith, G. M. 43
Bartlett W 236	Gramenstrky T 254 Gallie W E 258	Mi rahall, H W 200	Smith, C 237
Beard, J.R 297	Gallie W E 258	Mertin C 303	Smth G M 43
Beck J C 316	Galloway H P H Bo	Masson 246	Smith, G.R., 285
Beck J C 316 Beck O 313 Beckman E H 267	Galloway H P H 26 Gauss, C J 278 Gent E S 26 Gillesque W 29	Mayer E 3	Smith, G R., 185 Sobotky, L., 315 Sorrel, E 47
Dicking L II 207	Colleges W as	M ser, T 305 McCullough C. P 3	Soule, R. E 259
Bécière, 278 Bell W B 287 Benjamin À E 259 99	Golyanitaky J 267	Mckenne D 310 3 2	Source I sen
Benjamin A L 250 00	Comet 246 946		Specse, J 240 Squier J B 304
Bennett F W +10	Gomet 245 246 Grant, T H 255 Greensleider L A 306	Meyer E 242 Meyer Rilege II 294	Stark S 305 Stein, I F 242 Stein O J 313 Steiner, P 305 Stern M A 287
Bennett F 1 310 Bernbenn, B M 245	Greensfelder L A 106	Meyer Rilege II sos	Stein, I F 242
Bevacuus, A 200	Griman J P C 42	Machaelia, R 205	Stem O J 313
Bilweis I I 40	Graffith J P C 49 Grout G II 5	M chamewaks, A 200	Steiner, P 308
Bingham, A II 260	Grundjew IV 5 90	Milhgan W 3 1 512	Stern 31 A 287
Blaur, V P 205		Moos, S also	Stevens, W E 30
Bloodgood J C 318 Brodhead, G L 203	Halatesd T II 320	Morel 309	Stevent, 31 J 55
Brodhead, G. L. 203	Hardouin 300	Moute P 71	Stocker IV Jus
Brougham, E J 254 Brown C P 255	Hardouin 406 Harpster C M 90 Hartonana M H 244	Moon, S 280 Moorel 509 Mourer P 71 Mentier C 73 Muncher J 26 5 8 3 9 Munchter J 265 Nécesy B 28	Stenest, W E 50 Stenest, M J 55 Stockel W 500 Stock H B 345 Suter F 501 Sen R H J 503
Brown C P 355	Heimann P 30	stupuy) 2 30 240	Sea R.H 1 101
Brown E V L 12 Brown G V I 3 7	Hencke sea	Muschter I efc	Tangua A sos
Room W.L. es	Henderson M S 64	Nidory B 48	Telleus, A sos Telleus, J. H., 194
Brown W L 53 Brunetti C 258 Bryan R C 258	Henke F & 6 Hennison P B 265	Nidory B 28 Nové-Journand, G 305	T Hord, E D St
Brian R. C 238	Heptikson P B 265	Village Liter T 100	Thehamer, W 33
Bublitschenko L 294	Hertogh 46	Oeriel II 300	Thomas, H B 57
Bomm E sys	Hertogh 46 Huesa V 207	Onte C. Sa	Thehmer, W. 33 Thomes, H. B. 57 Thomes, J. B. 57 Thomes, J. J. 50 Thompson, R. 50 Thompson, R. 50 Thomes, J. A. 58 Thibles, S. G. 5 Tuffer T. 440
Burnham, A C 268 Cadwalader W B 17		O'Reilly A 25 Orlolf A N apo	Therese I A 48
Cadwalader W B 17	Hitchens A P 167	Packard, G B and stog	Thirden S G c
Caille P 244	Holdes W A 3 t Hopkins F E 3ro, 3 Horsley J S 7	Pal I of	Tuffer T 840
Carrel A 240, 267	Honday I S	Parter W R 117	Van Pasvez 50
Carter R. M. 44 Casselberry W E 3 2 Clark J B 307 Clark J P S 280 Coakley C G 311 Coffin L A 3 1 Cole L G 73	Hudson Miskuen G 316	Pul J 36 Parket W R 317 Pearson W 238	Vert, J 77 Von Graff E 78, 288
Casselberry W E 3 2	Hawteer sor	Petit D tailbs, D 83	Von Graff E 78, 285
Clark I B 107	I gain E I 321 Ingersoll, J M 320 Jackson, C D 320	Pyric A II 243	on Schatteburg K C- 255
Clak PS 250	Jugersoll, J M 320	Procaček L 20	Von Zahraycks, J. R., 207
Coakley C G 311	Jackson, C D 370	Podesta 76	Vineband P 48
Coffin L A 3 1	I cquered, 39 Jansen H 77 Jenkins, G J 310 Johnston R H 3 6	Poliock II C 6s	Vuctoud, R 48 Unk! II R 264
Cole L G 73 Corner E M 307	Parise A 77	Potei, 306 Prince II L 263 Rembardt F 29 Rembold, C H 311	Watkins T J 27
Corner E 31 307	Johnston R H 1 A	Resolvant F 20	Ti abor F. 900
Crump, A C 24 Cumberbatch E P 7	Kahn H sas	Rembold, C H 311	Regelas, 300 Repel, W as Wed, R and Rembreaser C 278
Cumston C G 270	Kahn H 315 Kakuschkin N M 89		Neibel, IV 28
	Keyes, Jr E L 305 Kieley C L 99 klaus, H 308	Rachter J 297	Well, K 205
Communication F M 3	Kieley C L 99	Redion ST Roberts, P W 53	The CP 70
De Joug L, sas_	klaus, H son	Roberts P W 53 Robertson D E., 258	Il lton, C R 3 0 Il englowski, R 15
De Tarnowsky G 70	Klemperer P 85		Nerebus, A 303 Nerodorff R 53
Delavan D B 320	Klots, R 205 Licens, P 204	Rosery A J 206 Roth W 205 Roth, P B 26 Rothschild M A 253	Werndorff R 53
Docq 50 Döderlein, A 73	Knoski B 78	Roth W tos	Werner P_ J7
Döderlein, A 73		Roth, P B 26	Werner P 77 Whapple G H 45 Whating M H 32
Dorskin S T and	Lake, R , 31 Lange H 265	Rothschild M A 253	
Dot II 304 Druskin S J 300 Dunning H S 37 Dunning H S 37 Dunning H S 37 Dunning H S 37 Edeker F 39 Edek A C, 258 Edelberg K 85	Languecker H. L. 160	KD J & 79	Wildholz 300
Durham, J G 29	Lanzarini F 257	Ryerson E 11 63	Wilder W H 3 1
Ebeler F 29	Leguen, 309 Legues F 30	Salomon 265 Sunders, C A 20	Wilson, II W 300
Ec. A C, 258	Leurs F 30	Schattager F 169	Robus R. E 20
Edelberg A 88	Lejouville J 203	Schauta F 20	Rood G B 3 t
Essendrath D N 30 309 Elast J E 249	Lejars F 30 Lejbowitsch J 203 Lendon A A 285 Lenormant, C 8	Scholler A 201	Wilder W H 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Ellett, E C 310	Lenche 36	Schlapobersky J P 298	Zgetiel E 293
PERMATE DIST			

Mackenate G W : Th D seases of the Minsillary Sinus J Ophis Old & Laryngel 1914 xt 190
By Surg Gynec & Obst

To obtain the best results in the treatment of diseases of the maxillary sinus it is frequently necessary to have the cooperation of the rhinologist and the dentist. This is especially true in acute maxillary simusitis which may be endonasal or dental in origin also in osteomyel tis carica necrosis or loreign body in the antrum or dentigerous. cysts all of which give rise to symptoma that prompt

the nationt to seek the dentist In suspicious cases of inverted or unerupted teetb

the dagnosis should be determined by a slangraph LILEY | PATTERSON

Dunning II S Some Surgical Conditions of tha Jaw La jag more 9 4 4 5 0 Gynec & Ohat

Fractures of the jaw epuls and dentigerous cysta are surmeal cond tions frequently overlooked by the general surgeon as well as by the dental surgeon

True fractures of the upper jaw are rare but fractures of the lower jaw are very common and all are treated by means of wire cribs or rubber spl ats comented to the teeth

Epuls occur most often in Jew sh women of middle age during pregnancy and are treated by thorough removal of the periosteum alveolur process and

teeth invol ed Dentigerous cysts are treated by removal of the age and co tent and thorough curett go of the bony cavity FLLEY | PATTERSON

Cadwalader W B A Comparison of the Onset and Character of th Apoplexy Caused by Cerebral Itemorrhaga and by \ascular Occlu sion J tm If t By S rg Gyner & Obst

Spont neous int accrebral hamorrhages are an to he large very small hemorrhages are rare Of seventy two spec mens examined only four meas ured less th n 4 cm n their broadest diameter It is cert in that large harmorrhages are always f tal and t is also ert in that small harmorrhages

may be also and it even seems probable that harmorrhages are always latal no matter whether small or large

When repeated attacks of apoplexy with hemiple gra occur in the same patient t different times the final or fatal attack may be due either to softening or to hemorrhage but the former non fatal attack is avariably caused by vascular obstruction and softening and not by hemorrhage Repeated at ta as of intracerebral hamorrhage are not com pat ble with life

Small and moderate sized lesions within the brain generally described as cyst are apt to be considered the result of vascular occlusion but n some sn stances such lessons may be produced by harmor rhage which his become bealed. Their true origin 1 some cases seems uncertain but they have been classified by the author as oftenings

The duration of life is generally longer with small bemorrhages than with large ones. Sudden death Within a few minutes after the onset of apoplexy does not occur even though the lesson is a large one Is remarkable that fairly large homorrhages may not in all instances cause rapid death Spiller has recorded a case in which a clot was found partly encapsulated and measured 7 by 25 cm yet the

patient hied almost two months The type of apoplexy produced by hamorrhage and by cascular obstruction is not of a distinctive may be eastly slike though the lesson is entirely different But a sudden onset with rapidly developing and persistent coma usually indicates harmorrhage A alow onset with premountory symptoms without profound come may be due to hemorrhage or to softening but the less severe the disturbance of consciousness the more likely that

it is caused by softening and not by hamorrhage Premonitory symptoms are not characteristic of the lesion as a general rule they are recorded in the milder types of apoplexy in which the onset is not

Slowly increasing loss of consciousness ending in

profound come known as ingravescent apoplexy is generally due to hamorrhage It is doubtful if hemorrhage ever occurs without

causing very distinct disturbances of consciousness but it is remain that many softenings do neeur with out producing distinct apoplectic attacks. Most non fatal cases of hemuplegia are caused by vascular occlusion and subsequent softening. The mere fact that life is preserved is in itself indicative of the sbsence of hemorrhage The type of apoplexy probably depends more on

the size of the hemorrhage than its situation but with softemag the rapidity with which the vessel is occluded may influence the rapidity of onset of the attack as well as the extent of the les on

EDWARD L CORVELL

NECK

Smith C. Does the Internal Administration of Potsastum lodide Have Any Effect on Thyroid Grafts in Guinea Pigs? J Med R see ch 1914 zz No 3 By Surg Gyner & Obst

The relation of iodine in is vanous forms to the changes in thyroid tissue has been investigated by Manne in co junction with Lenhart and Williams, They made a very thorough study of the histology of normal and gottrous thyroi is and observed the effect of iod ne on the glands These authors worked especially on d gs and came to the following con clusions (1) The thyroid glands are divided into normal, colloid and hyperplastic gland (2) When the iodine intake is lessened it is shown that the thyroid tends to undergo hyperplasia (3) Iodine given t an animal with a hyperplasia: gland causes the structure to become a colloid gland within two o three weeks

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIQUE

OPERATIVE SURGERY AND TECHNIQUE

Barrlett W A Simple Method of Sterilizing and Storing Cargut Sury Grace & Old 1914 2vi 633 By Surg Gynec & Obst

Small coils of catgut strung on a thread are dired for four successive hours at a temperature of 80° of 100° and 120° C in a dry heat struker care being taken to avoid a damp day and steam. The material must be protected by gause from contact with metal.

The catgut is placed in alboleoe for a few hours uotil clear then the temperature is raised gradually on a pan of sand to 160° C. and kept at that point for ao hour The container must be fined with thin

The cateut is lifted out of the oil by grasping the thread the excess oil being allowed to dup off the thread is cut and the coils dropped into a solution of column crystals in Columbus sparts. For catgut he so the proportion is one part by weight of sodius to 700 parts by volume of sparts is 70 × 0 × 10 of for No 1, 1 to 500 for No 2 1 to 400 for No 3 1 to 300 for No 4 5 to 300

The catgut is ready for use as soon as it turns dark

It will not deteriorate in storage and coils may be used as needed

ANASTHETICS

Pal, J: Papa erins us s l'asomotor Agent sad Anmethetus (D s P pa erin is Griasmittel mé l'usath i cum) Deut che med B à nèr 101 ti, 164 By Ze trafol I d ges Chur à ; Grenagh

Payawrane has a local anushtuse effect to be drops I at the per cent solution completely shall the corneal reflex on the rabbar ashed he pupil a moderately dilated. This seplans the effectiveness of the local time of opions to the form of a sale to decrease pain. Papaverane not odly purplyes the amount muser of the notestime bera site that have a smooth muser of the notestime bera site that have a smooth muser of the notestime bera site that have of high blood pressure, for a decreaser the presser. It has also been used by the author in heropyrable does not be made to the state of th

SURGERY OF THE HEAD AND NECK

HEAD

Algrost and Lerichas Resection of the Auriculor-Pempenel Nerve and Ite Effect on Parotic Sertion (De la reaction d' nerf unculor mporal et de «es est its sur la sécrétion parotidem) Lys k 19 4 21 4 By Joorn i d'Chruspi

It has been known ounce Claude Bernard a 1 m that the sunculotionporal is the secretory nerve of the pared d gla d. Lo muse the glauddulk branchin originate back of the muschary condy is and form many that the secretary condy is and form that the secretary condition of the secretary conditions of the secretary conditions of the secretary conditions of the secretary conditions of the secretary dissect the truth up to the parented and then by the best of the secretary conditions of the secretary conditions of the why h determined the nearest of these to see a secretary with the secretary conditions of the secretary conditions of the why h determined the nearest of these to secretary condiFiss oper two is indicated according t Lin he and Algred; there classes of cases (1) I stablom sulvivity fissule of the parotit of of Stensons but (1) is the hypersulvation of certain disease of the essendance expectally cancer (3) in aeroph to cause they excessive sult too.

Lerchic has used the operation in a see fash in stitule and in of a serophagy with marked dry extremely a strong person of the former case the salt y seem ton pera sted for fe days but much less should by 1 then stopped uddenly and the fit that closed in the other case the signest we distortion had been attributed to gastine hypersecteion. Lerchic on the control of the salt o

clavicular fibers of the pectoralis major as this part may eafely be left behind and furnishes a covering for the arillary easels and nerves This part of the muscle should also be removed if an npward ex-

tension has occurred

The skin meason is carned well farvard over the anterior axillary fold toward the outer end of the claveled currong downward over the fullness at the shoulder. The incision is then carried through the fascial coverings of the muscle below the claveler. This facts is discreted off until the interior labetween the eternal and claveniar portion of the muscle are reached then the measurement of the muscle are reached then the measurement of the outlines the availa. The insertion of the pectarsial maintry is not posted clamped and cut close in the

With traction on this the avilla can be cleaned out as bloe by sponging downward and unward. The hipect is to clean out the avilla completely and pack, it off with gause before the main tissue containing cancer is neisted also in this way the intercottal vessels can be exposed a d clamped before

being cut

The author usually uses an axillary and some times a subelevicular drain for 48 hours

This operative procedure is in advantage because it is practically bloodless and because there is a minimum possibility in dissemination of cancer issue

Every Carr

Jacquerod Pressurs on the Thorax in Place of Artificial Pneumothorax, in the Treatment of Pulmonary Tuberculous (La compresson thorax of remplactment du p runothorax rithical da le tratement de la berculose pulmonare) Sisco Kasis J. Med 9.4. 6. 4 7 mg/s Psychotholic de Cher Genegeh.

llaving sheeved that the isauffalton of a very small amount of mirrogen into the thorax cextity has a favorable effect on the symptoms of tuberculous to uthor treed to produce a unular effect by applying a band sround the thorax. The band which is passed around the lower part of the thorax has ensild it ces that enable it to be fitted and is kept from a principle of the production of the

Murphy J B Sarcoma of Thymus S I Cf J B Murphy 9 3 u 5 By Surg Gynec & Obst.

A woman of 60 was admitted on account of a large mass on the antenor chert wall just helow the root of the neck. Twenty jeers before abe had noticed a smell hard mass to the left of the median line on a level with the third nh. Ten jeans later abe noticed a smular mass to the right of the median line. These gradually approached each other and seemed to coulesce. About one jear previous she

had sotied a thurd mass in the midine above the nuther twa. This mass had been growing rapidly in size especially in the past three ar four months. When admitted there was a large pyramid chaped tumor pounting toward the chin irregular in shape and consistence but definite in nuthner the base was hard and fixed to the eternum and costal cartilages with areas of softening above the large lobe pounting toward the chin was very beamorthage; and 96R She had never had any constant pann only occasional trunges of sharp pain. The mass did not pulsate

In the autumn of 1911 che had a continuoue hematuma passing large clots of blood as well ac bloody urner. She was in hed six weeks but had no pain over the hidney region at that time or at

any time eince

The tumor was aspirated an both eldes and bright red blood withdrawn. The needle was put in some distance under the elin and the condition found in the aneumani sarrows. Operation was deemed madrisable but X ray treatments were noticed from the fatter owner showed actions of the fatter owner showed actions of the fatter owner showed actions morthage. The slan destruction was from tumor finwasion and was not caused by the \$\text{\text{\$\tex

Up to 191e there were reported filty four cases of the various types of sarcoma. The carcinomata are rate nily 11 cases being recorded. These two types consultate the great bulk of tumors in the thymus. The mused and the beingo tumors occur less frequently.

Heimaun F: Experimental Study of the Thymus the Ovaries and the Blood Picture (Thymus Ovarien and Bi blid Experiment He U ter suchungen) Muncken mrd H knicke 2013 lx

By Zentralbl. f. d. ges. Gynak in Geburth s. d. Grenngeb. Clauncal observations emprort the hypothesis that the ovaries secrete substances that inhibit lymphocytosis while the products of secretion of the thymus gland cause a lymphocytosis

Hemann mide an experimental study of the effect of the hymits and owners on the blood picture in rabbite. The owners or thymic slade of the effect of the thymits and owners on the blood picture in rabbite. The owners of them all the effect of the third the effect of the third the effect of the e

Manne elaums that a collor I aland is that form an thyroid most nearly related to the normal gland in which a hyperplastic gland can recet. If a states that there seems in be a munimum amount of iod ne necessary to maintain a normal gland structure and when the amount falls below this midnium hyperplasta begins. There is a progressive decrease in the fodine contents in the thyroid from normal glands through the various stages of hyperplasta in other words the summer of dome an if the degree of the content is the structure of the degree of the content in the sum of the content in the thyroid properties it is a physiological receiping the through the same of the body and is analogous to regreeration after partial throidectering.

Smith having in mud this work of Manne a and in other line trigation attempted in find out if in thyroid glands the administration of potassism, solidie would in any way tend in overcome the thyroid need after partial thyroidectionly as claimed by Manne and thus prevent in retisent the growth of the grafts — which Cristiani states is controlled by the need.

Some 54 animals, with 162 gratts were used in these experiments and the author was able to recover auccessful grafts in a great majority of the animals. Some young grafts were attulied in inder in abserve the early regeneration of the time. The younger grains showed a central necrous, and say the peripheral thyroid tissue persisting. The central necroits areas become gradually replaced by a pown of connective itssue from the periphery in the higher periphery in the connective itssue from the periphery in the higher periphery in the case of the periphery in the periphery in the presence of increased connective to the presence of increased connective is as in some cases there seemed to be related to the presence of the peripheral periph

The author asserts that no conductor can be drawn from how ne experiments as in the conductor of the homotransplants. Trom his furwrigations he de est that the administration of potassium belde in a gunca pag fin which a piece of its own thyrod gland has been transplanted does not have any marked effect on the behavior of the graft. He does not find attrophy in the grafts as reported by Crui-and after the use of thyrod tablets. Secondly be believed that hyroid grafts show early central stematic and the state of the stat

Crosce E. Better

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Beyon R. C.: Cancer of th Breast in a Boy Fifteen Years Old 5 g Gyne & Obst 914 Ivt 543 By Surg Grace & Obst

One per cent of all tumors of the breast occur in the mule, two per cent of like number are malagnant fraums is reprossible for 13 per cent of the female mammary curnoma and 30 per cent of the male mammary curnoma and 30 per cent of the male mammary curnoma and 30 per cent of the male mammary curnoma and 30 per cent of the male that are the manufactured of the male that the same that the sam

Occasionally there are embryoloncid diabelly ments of abbryoldering doubles which may estimate from the region of the mic breasts, which are blace logically impossible to differentiate from carmoniyet they are not causer. The beamble submorous nodules found now and then in the appendix belong to this group. They are unquestionally of cogential onign. Aschoff calls them submorous news. In the export of Mayos sim c by McCarmon these nodules are called carmonas of the appendix and have been abserved according to McCarly in

Pearson W The Trchnique of Operation for Carcinoma of the Bress: Med Press & Co. 29 4 2014, 464 By Surf Grand & Obs.

The author belowers that the principles governing aurgoral operations for malignant useas thould be (1) The avoid discommantion and wound in plantation of cancer relis during operative procedures (a) in minimize harmorriage and about (1) it mum must the risks of infection (i) it of a red

ubaccessary multitlen or less af function. The work of lisadicy has shown that the pernearion" of cancrecilis along the lymphateversels takes place primarily along the lymphateversels have place primarily along the lymphateversels in the fascial planes and that leasans of the slam muscles and vacces is secondary. For this reason all the lymphatic and tatty fascial tases from the sails" and gallitry vessels, and from the chest wall archading the fascial covering of the opporportion of the rectus abdomnatia muscle should be

removed. The author advocates removal of a large area of aking equidistant in all directions from the tumor the removal of all subcutaneous and deep fascal covering from the clayacle above to the equisition below and from height the middine in front to the posterior at flary fold behind and the removal of the pectoral muscles with the exception of the

clavicular fibere of the pectoralis major as this part may safety be left behind and furnishes a covering for the amilary vessels and nerves This part of the muscle should also be removed if an npward ex-

tension has occurred

The skin incision is carried well forward over the anterior axillary fold toward the outer end of the clavicle curving downward over the fullness of the shoulder The incision is then carried through the fascial coverings of the muscle below the clavicle This fascia is dissected off until the interval between the sternal and clavicular portion of the muscle is reached then the incision is carried over the antenor border of the latissimus dorsi This outlines the axilla The insertion of the pectoralis major is next isolated, clamped and cut close to the humerus

W th traction on this the axilla can be cleaned out en Mos hy sponging downward and inward The object is to clean out the azilla completely and pack it off with gauze before the main tissue con taining cancer is incised also in this way the inter costal vessels can be exposed and clamped before

being cut

The author usually uses an axillary and some-

times a subclavicular drain for 48 hours This operative procedure is of ad antage he cause it is prectically bloodless a d because there is a minimum possibility of dissemination of cancer tissge EUGENE CARY

Jacquerod Pressure on the Thorax in Place of Artificial Pneumothorax, in the Treatment of Artincial Friedinatorax, in the Treatment of a Fultonary Tuberculous (La compresson thora-cique e remplacement du perumothorax riticial de la le trattement de la la berculose pulmonaire) Sacris Rusol de f. Ucol 19 4 x 4 y By Zentralbi f d gra Chr u Grenzgeb.

Having observed that the insuffiction of a very sm il amount of sutrogen into the theracic cavity has a favorable effect on the symptoms of tuberculosis, the author tried to produce a similar effect by apply ing a hand around the thorax The band which i passed around the lower part of the thorax has small I ces that enable it to be fitted and is kept from I pping down by tw. hand over the shoulders. It

gradually drawn tighter and finally is left on day nd night Wearing it changes the type of breath ing markedly and is said to act favorably on pul moasry tuberculous BURCEHARDY

A woman of 69 was admitted n account of a large mass on the auterior chest wall just below the root of the neck. Twenty years before she had noticed a small hard mass to the left of the median line on a fevel with the third rih Ten years later she noticed a similar mass to the right of the median line These gradually approached each other and seemed to coalesce About one year previous she

had noticed a third mass in the midfine above the other two This mass bad been growing rapidly in use especially in the past three or four months When admitted there was a large pyramid shaped tumor pointing toward the chin irregular in shape and consistence but definite in outline the base was hard and fixed to the sternum and costal cartilages with areas of soltening above the large lohe pointing toward the chin was very bemorrhagic and soft She had never had any constant pain only occasional twinges of sharp pain. The mass did not pulsate

Io the autumn of 1911 she bad a continuous hematuna passing large clots of blood as well as bloody unne She was in bed art weeks but had no pain over the kidney region at that time or at

any time since

The tumor was aspireted on both sides and bright red blood withdrawn The needle was put in some distance under the skin and the condition found to be aneurosmal sarcoma. Operation was dermed madvisable but \ ray treatments were advised The latter course showed necrosis of the skin and formation of a clot preventing hemorrhage. The akin destruction was from tumor invasion and was not caused by the \ ray

Up to 1912 there were reported fifty four cases of the various types of sarcoma The carcinomats are rare only 11 cases being recorded. These two types constitute the great bulk of tumors in the thymus The mused and the benign tumors occur

less frequently

Helmann F : Experimental Study of the Thymus the Ovaries, and the Blood Picture (Thymus, Ovarien and Bl thid Experimentelle Uniter suchungen) Munche med it huseke 013 lx. 820

By Zentralbl. f d. ges. Gynal. u. Geburtsh a d. Grenzgeh, Clinical observations support the hypothesis that the overies secrete substances that inhibit lymphocytosis, while the products of secretion of the thymus gland cause a fymphocy tosis

Heimann made an experimental study of the effect of the thymus and oranes on the blood picture m rabbits. The ovaries or thymus glands of the animals were removed and after a certain length of tune the juices expressed from ovaries or thymus glands were injected intraperatoneally. After the extripation of the ovaries a true lymphocytosis devel oped after the injection of ovarian fluid there was a rapid fall to below normal in the fymphocyte count fter the injection of thymns extrect a rise was noted. After thymectomy a fall in the lymphocyte count was observed t rose again however after the fried tion of thymus extrect while after the injection of ovaman extrect there was a fall again. Therefore the conclusion is that failure of the thymus secre-tion causes a fall in the fymphocyte count adminis-

tration of thymna substance a rise After removal of

the ovaries the lymphocyte count uses, after the

insection of oversan juices it falls. The thymus and

the ovary have an aniagonistic effect on the blood picture thymus extracts increase lymphocytosis ovarian extracts decrease it

TRACHEA AND LUNGS

Bilweis, I. I. An Unusual Case of Stenosis of the Trachest as a Result of Primary Tuberculosis of Thu Organ (U. cas are de ténose de la trachée pa a ste de t. berculose primit ve de cet organe) 2r v de la d. k. Projed d. Prof. Organ. 8 y Journal de Chungrie

A woman of 39 had had a gotter for 9 years. For a year she had been complaining of difficulty in respiration dyspaces and cough hut no siems of

ayphiles or Inberculosis

240

On admission to the hospital the dyspinors was extreme. Oppol immediately performed stranectomy and then trachectomy. In spite of this the asphysis continued and the patient died in 48 hours. During life the existence of an obstruction at the bifurcation of the bronch had been recognized.

At autopy retraction of the broachs as found for a distance of 5 mm. the mucous membrane was a found for a distance of 5 mm. the mucous membrane was the state of the state of

HEART AND VASCULAR SYSTEM

Carrel A and Tuffer T Anatomico-Pathological and Experimental Study of the Surgery of the Orifices of the heart | Idel Fre 1 & Cr. 9 at 21 | 210 | By Surg Cyncc & Obst

As a result of their researches the authors state that pure tutral stenous certain act c stenous and some at nosca of the pulmonary artery will be found even in well-defined cases to be benefited by

urmeal a tersention

Artite strenous may occupy one of there regous advants upstracture or subscrite. The a handre variety is maccessible to surgical treatment on account of its position below the fibrous may at the level of the mitro socite canal supra sortic strenous is rare. The tuly surgical variety is the valivalar atenoous which a characterized by administrative to the free bootlength of the valives, with thicketing and mislioran too of their margins. It is samply a may with industrated arging. Occasion of implantation of the control of the tulbe is from the effect of the constrict on on the current of blood

Stenoses f the pulmonary artery present the same

anatomies forms The velvular stenous at tender frequent form The fibrous are of linearton as itself and the welding of the valvular margan crustes and the welding of the valvular margan crusters as ort of disphragm convex toward the plunch and which is succeptible of enlargement. It is a particular fact that the pulmonary streys districtly above the sent of stenous but this is due to the loss of chasticity of its walls. There may be pure strong any alteration of the super-fitted and soft and the strong the stron

eminently laworante for mechanical frestment.

Congenital tricuspld attenoses which present the
same characters are especially suitable for surged
intervention on account of the integrity of the cardiar

organ

When an artificial leadon presents livell with the anatomical condutions which permit at the whole anatomical condutions which permit at the whole the state of the cardiace rouncle and coars of the reseals justify the reasonablements of the intervention at does not follow that such procedure as actually moderated. The leason which tends to provide grave notices to the leason which tends to provide grave notices to the leason which tends to provide grave notices to the state of the

In operating the dangers to be svoded in wounds of the coronary arternes hemorrhage at trance of art into the cuvities of the beat and arternes and family thromboos. These dangers are not in any grave. It ounds of the transparence is to use the control of the danger are not in any grave. Wounds of the part of the currently. Wounds of high too of a coronary artery h we a vary g gravity according to the part of its course all effect. Wounds not not to the part of its course all effect. Wounds not not to the part of its course all effect. Wounds not not to the part of its course and effect. Wounds not not to the part of its course and the work of the course are not to the part of the course of the part of th

distrible and resuscitat on a impossible. The occurrence of himmorthage within certain into its not very serious. It is intensity is naturally in proportion to the extent of the wound and also to the distribution of it. latter. The one hismorthage which is grate and difficult to arrest is that from the right uncle. There are several means to rough hemorthage. Hipperpressue whoold he matter on refer powrone of latemortains at a mammum but it order to obtain a sear consideration of the right of t

The entrance of air into the right veotricle does not present any great danger On the other hand this accident is an extremely grave one in the case of the left ventricle as the air penetrates the coronary vessels producing a fatal cardiae anemia

Thrombosis is an accident of corresponding gray ity but it rarely occurs The authors attach great importance to having the margins of a cardiac wound smooth and regular thus preventing thrombosis Very fine thread is used in suturing and the endocar

drom is not rocluded

The danger zones are then discussed in detail and the sens tiveness of the various structures composing the heart are dealt with Certain manageable zones are described and from their study the authors cooclude that the cavities of the heart may he opened singly and their walls resected without grave injury to the ulterior funct o al capabilities of the organ

When preparing to operate it is necessary to snterrupt the circulation to an almost complete degree The arterial pedicle — pulmonary artery and sorta — may be compressed for a period not over forty five seconds on account of the evaggerated dilatation of the right heart. With regard to separate compression of the sorts, this is better tolerated in proportion to the distance of its seat of applica tion from the origin of the aorta and the possibility of even diminished irrigation of the nerve-centers Simultaneous compression of the pulmonary veins produces death after some minutes through default of overenation of the cardiac muscles but individual forcipressure of these vessely present o gravity Enu an L Co all

PHARYNX AND GEODPIAGUS

Crumo A. C. A New Aid for the Diagnosis of Stricture of the Esophugus. J Am M A o s in 47 By S g Gynre & Obst

The author's method consists in the use of sao sage skin gold be t rs skin Gold heaters skin is preferable as it is tougher but it cannot at present be obtained to satisfactory le 2ths

The asusage skin is cut in lengths of about 50 mm thoroughly washed inside and out and placed in jars of a solution of z per cent liquor formal dehyde and 10 per cent glycerine The distal end is tied with silk floss so as to make a bag the proxi mal or mouth end is shoped over a rubber ferrule

large enough for the skin to fit snugly and tied. The bag as it is then prepared is only a string Before giving this to the patient it is best to cocamize the pharyny and esophagus to prevent retching and coughing this honever is not always necessary The patient then swallows the skin with the aid of a little water When the stricture admits n to 15 French playe it is best to keep the skio straight by ruoning it over a capillary rubber tube This is easily done by first tying the upper end on the ferrule holding the ferrule under a water tap and allowing the water to carry the tube through There should he a small metal tup on the end of the tuhe so that the skin cao he tied without collapsing the rubber The atomach contents can then be sapirated to show if the tube has passed into the stomach It i surprising how easily a patient with the smallest atricture can swallow one of these skins and how readily it notwists itself on being filled After the skin is down a thick bismuth mixture

is allowed to flow in from an igator bold ag a couple of hundred cubic centimeters o cem at n time After the hismuth is down the skin is pulled up a I ttle and allowed to drop back in order that any Links that may possibly form may be untwisted The method of fill g and pulling until the hag 15 full to the pharynx is continued a stopper is but into the femule and the patient given a couple of teaspoon fuls of bismuth mixture to swallow outside the tube a tempoonful at a time to fill any irregularities or pockets not outlined by the bag. There may be some difficulty in removing the bag to the smaller

strictures but this need not occusion alarm The passe t is placed face downward over the edge of the table a d geotle but firm traction given the skin the ferrule he ng held over some small

vessel The maio thing is to take plenty of time EDW AD L CONTELL

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITONEUM

Haeberlin Treatment of Circumscribed and Dif tis (there are the contractions and Difference are the contractions of the contraction of

Th autho reports 346 oper tions for appendica ts o of them acute appendict s 3; inters l operat ons 6 incisions fo ab cess all of these without my mortality chro c appendicates 66 with one death from peritorities feer rupture of the ntestine i i of destructive ppendicitis with ca cumscribed perito tis with 4 deaths i due to protracted anaesthesia I to secondary hamorrhage nd 2 to progressive retrocaecal phlegmon appendi citis w th severe general peritonitis 4 with 6 deaths

or 24 per cent mortal tv

The follow g principles were observed In cir cumscribed appuration after spongs g out the pus nd t mpom g the abdom al cavity appendec tomy was done i llowed by complete closure of th abdominal wound in which room for a small dra o was occasionally felt Douglas pouch was alw ys examined and if there was an ex date it was sponged up and the pouch regated through two long d ains

after that a complete closure of the abdominal

242

In liffuse putulent peritonitis a thorough ao I long-continued irrigation of the whole abdomical cavity was given on I dreins insetted on the right and left extending into Douglas pouch these being left for at least at hours. Ituring the trangs ton the patient w skept in the sitting position The greatest advantage of the primary closing of the wound is that it prevents the occurrence of obdominsi hemias But drain ge of the abdominal cavity is sometimes necessary lot the anthor helieves contrary to Rotter that under pathological conditions there may be an entre abdominal pre ure that may cause the collected serretson to be decharged through the drun. Care mu t be token that the drain foes not become occiu led Beacswire

heln I F : F entration of the Dispiruters with Report of a Typical Case with Y Ray Di gnosis 5 : Gyace & Ohn 1914 2 U 34 By Surg Greec & Ohn.

After a hief review of the I testure. St in reported as a case of evolutation disphagmatics in a new home habe. There was a matted applying fivide at high requiring twenty minutes artificial requiration. It have a destrocardia retracted abd men an I in desented estaticles were noted. The child could hat more because of convolutive spells associated with derive yourseast of the property of the pr

On the fourth day of life a rontgesogram showed an apparent al sence of the disphragm on the I ft s de with bowel shadow in the chest and the heart on the right s le in attempt to gita & h muth en ma failed so the child was given subcarbonate of bismuth in the early motions feedings and routgenograms to ken three and sis houre fremands another leeding with be muth w 5 then giveo and a secon i picture numed ately taken. These radio groms positively indentified the tomach and part of the small and I ree bowel in the left chest and the diaphragm could be made out as a fine line abova the visceral shadows The child had I twenty sta day during which tim it suff ed several severe crums spell each associated with deep chancis and increased rate of respiret o and to one of which tt finally succembed

Proof to the post mortem a trached catheter was borreduced through a trecheotomy opcome and a bumuth su peason injected into the hronch. I radognum islan showed the loner lobe of the right ings to be the only portion inneticoting and gave the best petture of the evocation of the register to the property of the property of the particle. The viscera were removed in take and preserved in Austerling

Meyer E Obturator Hernia (Übei Hernia obtura ton) Arch f hl Ch 19 4 CH 497 By Zentralbi l d ges Chit Grenageb

This work adds to the 5 cases of incarcerated obtuinter herma published since 8 5 6 new ones

operated upon at the Leipzig chine discusses the symptomatology lo detail and tries to decrease the difficulty of an early and correct diagnosis by assembling all signs that are of any value Obtora or herola is typically a disease of old nomen The author a statistics show 79 per ceot of the case in somen over 60 years of age and they agree on tha point with those of other authors Aside from the pathognomonic signs of tocarcetation of benasymptoms of intestinal occlusion and Romber's sign vaginal or rectal examination often shows as elastic painful resistance in the region of the sbtoretot foramen Differential diagnosis must be ma le from osteomyelitis of the pubic bone minperstancel expelse and incarcerated ferroral her The diagnoses is however generally only a probable one therefore operation should be early

Tail is disgress at its one fourth of the case there is rangerine so account of the outrow shapedged unyrelling hermal opening. Hermotory gives a very insuled field of operation therefore the operation in choice is laparotomy. It has the advantage over the immost lines on of group a better view of the field of operation of malays it is to the control of the contro

years
Crasters statistics including 118 cases from 170
to 1800 abows the high mortabity of 78 81 pet cen
whils the author's show a mortabity of 31 37 pet
cent. They ship mortabity as explained partly by the
lact that the majority of the paticots are old women
in a proor state of outstillor.

Erm the fact his tederly women are table from the fact his tederly women are table from the fact his teders none conclusions at the mode of one of obstaction forms. The fact his tederly concluded the fact his tederly continued to the fact his tended to the fact his treated at the Leping clime.

Griffith J P C Diseases Connected with Medt 2 Dive ticulum with Especial Reference to Diversiculitis J to M Ass g 4 lm, was By Surg Gyner & Obs.

The autho po is a case of inflammation of Meck Is div rise ulum occurre gan a child so months old The cond tion followed a sight transation to

the abdonum One week later the infect began to compilan of pain in the abdonum which was to compilan of pain in the abdonum which was the passed a red colored stool and continued to do not intervals for several mooths. He became very amenic but did not waste insatraully. The abdonuml pain findly became very severe and it was releved by committee and the hesisoritage for home the continued of th

months after the unjusy
\arnous lessons associated with this diverticulom
are discussed hinefly Under inflammation the
etiology symptoms and diagnosis are considered
The diagnosis has rarely been made during life

The diagnostic features may be summarised as follows

I Localization of the pain and teoderness not so often at McBurney's point as somewhat higher and

to the night of the unindicus or even about it or in some entirely different region 2 An area of puffiness or of firm resistance in

this region
3 An absence or slight degree of meteorism at
least early so the attack

4. The presence of blood in the stools and in the somited matter

5 The history of the earlier existence of an umbilical fistula or of some malformation elsewhere in the body

EDWARD L CORPEL

GASTRO-INTESTINAL TRACT

Purie A II. Preparation of Barium Sulphare for the Opaque bless Am J Renigend 29 4 t 20 By Surg Grace. & Obst.

The author discusses the disadvantages of banum sulphate in the preparetion of an opaque med and suggests the following method which overcomes the objections

I gallon per as filled to one quarter its capacity, with Merck a baxtum sulphaste pure 1 ery hot water fix added to nearly fill the jar and the mature at attreed with a beavy sit of to the consustecy of rich mil. It as then allowed to settle for an hour when the voter its poured off. This procedure is when the voter is poured off. This procedure is loved to settle over one of the mature as them at lowed to settle over one of the mature is them at lowed to settle over one of the mature is poured for any the mature is considered for the mature is the mature in the mature in the mature is the mature in the mature in the mature is the mature in the mature in the mature is the mature in the mature in the mature is the mature in the mature in the mature is the mature in the mature in the mature in the mature is the mature in the mature in the mature in the mature is the mature in the matu

repeated time must age that many in the morning the water is poured off and the barium is ready for use. The author uses the upper layers of the barium in the proportion of r to 3. The lover is agree which are coarse and contain grit are used for the preparation of or do 3.

At the edd of the day the remaining benium is again washed with hot water and allowed to settle until the following more ag. Care should be taken that no malk or other food is added to the burnum maxture. By A. E.A.S.

Smith G M An Experimental Study of the Relation of Bile to Ulceration of the Mucous Membrane of the Stonnach J Med Recercing Aux No. 2 47 By Surg Gynec, & Obst.

The author's purpose in this paper has been to record a number of experimental observations on the relation of bile in the presence of an excess of hydrochlone and of a per cent strength to necross and ulceration of the nucrous membrane of the stom ach is describe the character of the lessons produced by the interaction of bile with hydrochlone and upon the epithelial surface of the stomach and cleane some of the conditions under which such he

suons were most readily produced in occurred to the author that the action at bile on the stomath mucous membrane although at tunes clearly harmless could be roterable udoer abnormal conditions, so that it might cause ulceration of the gasten mucous membrane. The animals used for his seperiments were the cat and the dog — chiefly the former. He found early that the gastire mucous membrane of the dog showed a greater resustance to injury produced by this and hydrochlone and than

did the stomach of the cat.

The application of bile and hydrochlone and to the stomach was performed in several different ways. (a) by direct application by mension of the stomach (c) by a stomach tube (c) after opening the abdomach by layering atto the stomach bile and acad through a c appearing needle passed through the wall of the stomach (d) by injecting bile and each back and coto the stomach through the pylorus by mersus of an asystating needle passed through the wall of the doodenum (3) by anastomosing the gail bladder with the formach direct lagaing the common habe-durit and subsequently introducing and into his common of the animal by means of a stomach these possible of the animal by means of a stomach the present of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the animal by means of a stomach the contract of the contract

As a result of thus study and the author's experiments the following facts are obtained

1 When introduced into the stomach of the cat or the dog lide is the presence of an excess of o 5 per cent hydrochloric and may cause fourly to the gastric mucous membrane whereas hido or 0.5 per cent hydrochloric and introduced alone into the stomath is without harmful effect

2 Leasons of the gastric mucous membrane producted by bile in the presence of an excess of a 5 per cent by drothour said, consist of percess of epithehum and interglandular tissue with hamorrhages into the mucous membrane as a result of which small superficial ulcers may form

3 Ulceration of the gastric mucous membrane following the introduction of hile and hydrochloric and mit the stomach, ispected by way of the duodemum as produced most readily between the third and the fifth bour after meals lessir readily in the fasting stomach or abortly after the logestion of food

4 If confined to the fasting stomach by I gating 5 the esophagus and the duodenum bile to the presence of an excess of 0 5 per cent hydrochlone acid is

more toxic for gastric epithelium than either hile alons or bile in the presence of an alkaline solution The presence of mucus lo the stomach protects gastric epithelium against logury by hils and hydroshloric acid Genece E Britar

Catile P : Clinical Diagoosis of Certain Forms of Localization of Ulcer of the Stomach and Duodenum (Diagnostic clinique de certaines formes de localisation de l'ulcère de l'extopne 1 d'écolènum) The rd deci Par Qt4

By Journal de Chirurge

In this important work based on of sases the outhor shows the possibility of making a differential diagnosis of ulcers as to location and age. At present differential diagnosis cao he made hetween ulcer of the pylorus of the duodenum and of the lesser curvature In typical cases the diagnos a is easy in others it is difficult or even impossible depending on the age of the pieces and the scierous accompanying callous ulcer

I To pyloric or juxtapyloric ulcer the diagnosis is easy in marked forms with pron unced signs of stenosis or a marked degree of Reichmano a syn droms late pain presence of residual hourd after fasting hypersecretion of hydrochlotic and these are the symptoms of reflex spasm of the nylorus but the diagnosis of mild forms of Reichmann's syndrome is more difficult. The mere sustence of fate pain to slight parovyams | crises without residual fluid or hypersecretion of hydrochlone acid is the

earliest manifestation of pylonic spasm

The chief characteristic distinguishing older of the duodenum from pylone ulcer is that it does not react on the pylorus and prodoca spasm. The more recent the ulcer the more pronounced the symptomatology localization of the pain on the right frequent hiemorrhages capecially intestinal absence of gastric phenomena Radiography shows particularly capid evacuation of the stomach Io old cases the syndrome is modified by the sdd tloo of juxtapylons symptoms, from spreads g of the ulcer

5 Ulcer of the lesser curvature f characterized hy the more prompt appearance of the pain that in pylons ulcer by the fact that it is more reput of to alkalı a treatment that it is situated to the feft of the median line and irradiates toward the back, and there are no pyloric symptoms Radiographic sam instion shows a med peastric spasm of tenosis, & retraction f the lesser curvature the picture of a di criticulum. In case of recent ulcer the differentia tion has to be made shiefly from ulcer of the duods num in case of old ulcer when the pylonic symptoms I L. ROUX BEACES have been added

R Mt A Bri f Consideration of Some Recent Tests for Gastris Carcinoma Surg Gy ec & Obl g 4, 111, 645

By Sur Gruer & Obst

The a thor considers a few of the more important tests f ga tric carcinoma and incide tally for carcinoma io georgal, with a view of ascertaining the present stutus of laboratory diagnosis in this codition.

The tests fall into three groups (1) those dealer with the stomach contents (2) those deal or with the urme and (3) those dealing with aerological Peter ions

In the author's opinion the tests in the third group would hold the most promise theoretically since it is reasonable to suppose that the blood of persons auffering from malignant disease apply on tain a substance or sobstances not present to the

blood of bealthy individuals.

However an early specific diagnostle means for caremoma has not yet been discovered Many tests have been proposed which supply a small degree of confirmators evidence but in these cases they are too complicated and difficult technically and consequently cannot be applied by the generaly practitioner who is the one most in occil of a specific test in order that he may get his cases to operation

All the facts should be explained to the patient together with the dangers of delay and he should he allowed to choose between uncertainty and an exact diagnosis obtamable only through an ex-

ploratory operation

Hartmann M II Hypertrophic Stenosla of the Pyforus in the Adult (Stinose hypertrophops du pylore ch I adulte) B B Asod d and Pa 9 4 lini 334 B) Journal de Chrurt

A man of 57 who had never had a y stomack trouble began to lose his appetite and have digestive disturbances which grew noise continually flart mann examined him 18 months after the beginning of symptoms when he should all the signs of stenoms of the pylorus omati g emacation, peristaftic waves stass o th morning The chem biry of the gastre contents was affected very hitle there was a slight decrease in pepua. In 1912 Ha tmaon perf rmed pylorectomy and tmplanted the duodeo m into the stoms h The patient made an uneventful recovery and is well at this time

On exami ation of the specimeo there was to engargement of the glands. The pylorus was thick and hard. There was only a very small onfice sur tounded by a ring of muco a membrane projecting into the intest nal cavity Und r the microscope there was no trace of new-growth The priors m sele and sobmucous coat were thick and selerous The mucous membrane did not show any lesion except a slightly creatness zone which seemed to represent a healed superficial ulcer. The macro scops appearance s almost exactly similar to that found a hypertroph: stenosis 10 mfs ts, the only differe ce being that the inflammatory process was more marked than I generally is in inf ats. although t has been found in them in some cases He th ks the inflammatory lesions in his case mi) be spla ed by the previous existence of a super ficial ulcer of the mucous membrane Carrottat.

Furiquez and Gosset Exclusion of the Pylorus (Remarques ur lexclusion du pylore) Ball i mêm toc d k de P , rox 1 337

By Journal de Chancz e

Ennquez and Gosset believe that exclusion of the p) lorus for benign lesions is not performed in France aa often as it should be Many surgeons aay ft is useless and that aimple gastro enterostomy is suffi cient to give them excellent late results. If the statistics of the lats results in a large number of cases are studied however it will be found that the percentage of insufficient mediocre or sven had results alter simple gratro siterostomy is siturely too high They are generally succilent in marked cases of cicatricial stenosis but aer incomplete where the pylorus is patent and often in duodensi ulcers This insuff evency in the lats results of simple gastro-enterostomy can also be shown sinucally and radiologically Clunically some patients continus to auffer enther continuously or in paroxysms the perchlorby dras persuta in apite of diet an 1 hismuth treatme t and hemorrhage may reappear Radiol ogy shows that a greater or less part sometimes all of the food continues to pass through the pylorus The authors publish ? cases of exclusion of the py lorus a of which are too recent for us to be able to ju lge of their final results but 3 show clearly that secondary saclusion of the pylorus may produce recovery where simple gastro-enterostomy has failed They recognize only one technique that of entire seclusion with section of the stomach within the pylorus the others are insufficient as shown by liarson; a recent radiographic study. Exclusion is especially indicated in lexions at or near the pylorua with marked hypera-sthesia of the mucous membrane and streme hyperchlorhydra but not accompanied by atasis of food Duodenal ulcer with rela ti s patency of the pylorus which may be demon atrated by rontgen rays is a major in lication for

exclosio
Qu'f. Ai recalled that he had presented a paisent
26 or 28 months again whom exclusion of the py forus
h 1 been performed imning a peniod of acute harmor
hige from a duodenal ulcer. He saw him again
recently and he was 1 excellent he lish had never
hid any lurther hymorthage and was earning he
had any lurther hymorthage and was earning he
had any

(txto believes a di inction abould be made he tween duod nal ulerra and pylorogs tree olects, for the same tre in nt does not ply). He peaks only of ulerra which he e used no change in the auxe of the pylorus in nolects of the duodeount it seems rational to romplets gastro-enterostomy I y exclored to the cases, the pylorus is not only pen

but on says The imposers in money per in outputs of the pipers of the pi

If the blamuth passes through both the opening and the plorar or exen through the plorus alone it makes no difference—if the functional trouble has damaperared. To show the usefulness of sectusion a number of cases should be collected such as those of Cosset where stirt gastro-centrostrony many or all of the symptoms have persisted—to disappear only after a secondary eachision was performed

I DUNDAT

Stone Il B Bernheim B M ond Whipple G
II : The Experimental Study of Intestinal Obairuction A S g Phila 19 4 ls 7 4
By Surg Gynec & Obst.

In dogs a loop of the duodeoum and high is jumum may be isolated by dooble ligatures on I the continuity of the abunentary tract reestablished about the closed loop such a coodition is rapidly

The conditions of the caperment may be so con trailed as to caclade circulatory disturbances food denvatures gastric pancreatic and biliary secretions as possible causes of death

The dogs die with characteristic symptoms and present typical autopsy fin lings the whole course of the post-operative disturbances suggesting an

intorication of some sort

A fluid collects within the closed loops that is highly toric producing when injected into normal dogs a reaction much like that of dogs with closed loops. This tosin is believed to be the cause of

death

The toxio is formed by the mucosa of the closed loop some of it being secreted rote the lumen and

some remaining within this rells of this mucosa.

If the closed loops be drained externally the
post-operative rouse of the animal is altered but
varying degrees of infoncation still are observable
and the presence of toxin within the mucosa of the

drained loops is demonstral le
Absorption takes place not only frore the loop
content bot from the mucosa d rect the latter being
a quits important source of intersection

There are various possible explanations for the perversion of 1 nation that causes the murcos to become a source of indication but none are yet proved. The fundamental explanation of the chinge is as yet unknown. It is possible by the repeated injection of auliethaf

It is possible by the repeated injection of aul ichail amounts of this toxin to immunize dogs again t fatal doces

The parenchymatous organs aplern intestinal mucosa etc and particularly the later seem to be especially concerned in the production of the reals ce agul 1 th 10mm shen dogs are immunized. The extract I an immunized log a beer properly

han lied will drattop the toxio is ell s.

It is belived that the intodeath in observil in close I loop as q it is involved that the intodeath in observil in close I loop as q it is invlar to that existing in simple obstruction and that the same tools is the essential

agem cao ng l ath in each instance
The discovery of the importance of also ption

from the mutosa even in dialned loogs leads one to this that the establishment of an enterotomy lot liad upe in effectal cases may r 1 meet all the req internal i successful treatment

are memorial concessful treatment

It may be put libe to covelop a method of direct
lef new against the toals as an autiliary to the
auticial reli (of obstruction for it) is

ET AYR CARY

The author e rewals a status leaf series of samona of the intestire and reports a cases one a familiacar oma ae f the oth r a mya narrorn lie tates that the to I tion is very sare smokes a stors a 1 of es baving found 11 cauce of sare ma mittrary in the small intentine. The sor I ten is rout com mon letween tie ages of to ar f to years although a s thre large number occur at an early age t | tts a case in which the cor i to a was present at 1 trih The lesion may occur in any part cl ti e an ter ne although it is en the merca in the Leum retutring 32 times in 33 cases. In lot ca es 62 occurred in makes ar 1 sa m f makes. The con become Is more a more any ny the working classes and t a tal tases ha r followed trauma to the gut 22 suphresecons or its evoce the chelespes and a freent loops of burel and mesestery are the seat of second by a dath. This type is the

the text of second ty goath. Thus type tending to termain loc limit.

The rate title of the 1 m t ongo ste to the sub-

micou triuces and rus settint que allel tos fee bowel without ulcer tion. These that les lines at mults ple ul siege intu sucepi motto a resulta IT e sproja mi in che lega non gi re u usily ed ao indefinite nature. Gereral, ed ablominal pulo se

indefaile nature (derrait ed abdoman) pulo is u utilis fiere net of [lower] by los of affects have see a noi-lowning. Itergulat low if m. enets and d tentis no of the abdressive symptom as enter and d tentis no of the abdressive symptom as not and for me of the obstructive symptom as not as max of ed the due to run a much more taped so no — the averture being 4 to 5 morths.

eo ne — the average being 4 to 5 morths

The treatment of this con litters a strategal but in
in quetal left implemaneumata benefit ha followed the
sulmin withing of a people.

I to a Las

Gosset and Masson Duetless-Cland Turners of the Appendix (F. meurs nebenwerde) present (1 fre mell) 2 5 5 5 7 7 mail de Charager

Lumote of the appendix are tarriy malatums? They re I marily discovered only on ope 11 at 10 and 10 at 10 at

The authors study two personal cases of three amail tumors of the appen his betther of which gave rue to any special clinical symptoms. A histological description of the turners is given which shows that they resemble glands with internal secrets a much mor than taremoretta Masson had previous shown that throughout the intestical reacons new lazar there are special rell meetfored long ago and to a bich Cleccio has given the r re of Lie gal chromaffara. These prisms it relis are scattered throughout the epithelis in and have at their base an arrumulation of granules which chromie sa s celor sellow. They have another much more special property that of fitting in the metallic form an ammoniacal solu ion of curate of tal er. There argretal ac cells have the salue of glands with internal secretion. The gra oles contained in the erl of th tume t of the appendis had the name arda (g properties as) moreo er la ose el the e are these agentafine cells had taken on the cr-I freal I em of th Intestine and were arranged arou I a carrier lumen. The an bors tounder th se tur-ors as hyperpl us due so to speak to a run cutare of the argenta ine cells of the in er re I ndet these new con i tion the cells become at gerate I so as to crea e the apprarance of oreactacrisem, to what is lound in hyperplasia of other gland with laterral secrett in the appearenal and parathyrm f for example. These extraord tumors of the press a bould be considered benign tumors. in set c of the infiltrati a of their elements. They are o ly exceptionally me grant In this and is the seduci g property of their granules they to sertile the riggen ed and These tumor do not perturn of doris to the append. They may be I and where I the argents one cell custo in the normal condition and the carriers (tumors that ha when described all along the intestfor seem to be so the same gr un with these ductions and turner of the append : The specific silver seaction a ? show whether the openion at 1 at fable

1 Denner

flertoth appendiciti and Hypothyroldises (Append is thepshyrol) Rul Acad Res I wal he it for to a to a factorise Dy Journal de Character

Fitten years any flertoghe presented were as the academy or sight thyred sendicency with the production of the sendicency and the sendicency and the sendicency and the sendicency of the sendicency of the sendicency of the sending the

who do not have a greater or less legree of thyroid tosufficiency. This hypothyroids in ought to be taken into account always in duly practice just as tuberculous and syphilis are

Helore the publication of this paper on benign hypothyroidism Hertoghe had called attention to the frequency with which adenoids and hypertrophied tonails were found in conjunction with thyroid to ufficiency.

Since roos Delacour has elaimed that appendicitis often co-exists with tonsillitis and that they have a common cause in thyroil insufficiency. This is easy to prove either as Delacour did by taking eases of chronic appendicitis and examining them for hypothyroidism or hytakioga series of cases with s ans of hypothyroid am and exacilning the appendix to the great majority of these cases there will be senutiveness to pressure in the Received region This does not mean that all of these cases will levelop acute appendicalls but there is no guarantee that this will not occur and no one can tell when it may occur Sometimes a few hours will transform a chronie append citis into an ex tremely serious inflammation. If permitters of the region being demonstrated he advises operation In the course of the past year the author has per formed 126 appendectomies, 90 of them for obronic approducitts. These on patients were operated on simply because they showed hypothyroid sm and abnormal sen itiveness of the ileocacal region If does not think the operation was useless in a single case He observed the following fesions (a) In the carcum It was generally fixed deep to the that loss by a thesions that were out very firm It was often much conce ted and very vascular These a lies and pass up the antenor surface of the grum t the form of trun parent hyaline veils In the most advanced cases they had passed over the appendix fixing it either to the acum the m sentery or the ileum. In the adult they were this is and viscular forming a retable adherice band a terlering with the passing of matter through the large into time () The appendix reprecially in children was long large and succulent It w t a ted around at mesentery sometimes u ved in hammock hape It was generally Illed th Izcal m tter In the cases that were not I do need it was free and floating Later it bes in progressis by immobilized by the hydroe ban! I neer the in croscope the appen I x d I out how a t le us as long as it was free and d t ng The outcous membrane was intact and th re w re no le sons of the perstoneum

1 Denost

Weiner J Hoomeal Tuberculosis. A S g
Th1 o 41 698 B) Tr Cynec & Obst.

Heomeal tuberculous affect both sears alke
as tuberculous a more frequent in this part of the
test nail tract than in n) other Tuberculous of
the repi and of the appendix is present more often
than use trailly the pit according to the author

and the diagnosis is hard to make sometimes serial section alone will demonstrate the lesion

In one of the cases of appendicitis the author reports a facal fistula which took two operations to close. It was not until the third operation that suberculosis of the carcum was diagnosed by serial sections.

Wenner is inclined to behave that at least a large number of these cases are primary and cites one case with a secondary tuberculous of the fungs following an appendiceal abscess. The anatomical position is favorable to the lisease as a pre-custing uher may be present

The condition usually causes hypertrophy of all the fayers and a partial stenous the tumor is

usually freely movable
There are two lorms (r) The enteroperatoreal
form which is difficult to distinguish from appendicults (2) The hypertrophic form this should be

differentiated from neoplasms

Lateral anastomosis is the operation of choice
Eight cases were reported

EDURYE CASY

Sorrel F Chronic Intestinal Stasis. (La stase intest ale chronique) Thirst de doct Pa , 1914 By Journal le Chronique

Io the work based on so cases four of which are unpublished Sorrif reviews the anatomy and pathological physiology of intestinal stasss. He shows that besides the general form due to ptous stony of the tot-vides or certain varieties of mrgacolom there are localized forms that may be classified as follows: (1) Sinss by sitrangulation of the tleum ang colon—Whose certain between the description of the companion branous principles; (3) sin is caused by obstruction of the spleme fixture (4) stass produced by an obstruction of the sigmoid—stricture partial megacolom mecougmoid us etc.

When reviewing the difference to symptom be tween stan so the right colon and that of the left the former having a more sensus effect on the general health the author studies the different methods of treatment of chrome constitution. The surgost of the colon is the colon of the

It goes without saying that oone of these operations shoull be performed until thorough medical treatment has failed when the past to shows symptoms of auto-fut air tion and radography repeated several turns has shown that there is a material obstacle to the passage of facets. Gastov Picor Murphy J H r Congenital Dil tation of the Colon -Parry a Disease 3 g Cl J B M ph roll Ity Surg 1 spec & trail.

This case wa lound at operate 0 to lar fue to 4 styletur of the restum. The patient wa n girl of to with a h tory I chrome con tieste a sine I the An Lay I cture taken nit e injection of I muth showe I enormou I lat tion of the I rec lonel I all intory I pur tomy sh we I the of struttion to be in the first part of the rectum na annular band in the ratestinal wall close to the juncti n with the secon | portion at the uteros i Il The obstruction wa toy low to perm t if lateral or astum is all the sleunt below the obstruction. The abdomen was closed and the structure closed un I ranasthesia then a plag we gut in Rectal lilat is of Increasing one were use I is ly for as minutes at a time an I the cond it a long rove I sa much that the girl w sall ei tole se in fise week? the returned two weeks later and reparted haves izeling beti r than ever br i gnn rmal m v ment every day and on samination there we lound a I wer rectal lumen larger than normal

sutchoud R : Lat Results of Operati e Teent ment of Lancer of th Large Intestine and Rectum (Ré list flux é lu t il ment of a pret la gres atestes et d rest mi

In so interesting paper the author gives the

statistia of the hospital of the Canton of Lausanne t Ol canret of the large I tertine from the to the en l ol rate there were or case Bul which were Inoperal | Operat n was performe lon se juste of af men an | 26 m men which at t buluted at lailor a

2 345 to to to years 6 3354 to to 40 years 143 40 to 50 57275 443 to to do jear 143 GO LO O SPITS 1 1505

ot to years LOCATION

Sigm il ffraure

a cues Cecum Ó π≪s Ascen ling colon erts 8 Tean verse colon 2 *** Descen I ag colon

23 02508

The a rrage time between the first subjects e a) mptoms ni the lescave and adms 4 n to the hospital w 6 m nth Radical operat on w

pors ble in a8 of the 53 cases or 45 9 per cent 1 4505 Carrum d ascen h g colon **5 1509** Transverse colon 1 41305 Deuen 1 g colon g cases I el 1c colon

On the excum user ing and trans recolor the peration was lw ys performed in one stage On the des end g olon t was performed once in one at ge and the the tim I two stages, colocolos

tomy of the transverse to the descending colon thes resection two months later All the resections of the aigmost were performed in several stages among the 28 radical operations there were at treasers sand 3 deaths one two and five days after the operation two from shock and one from fuster at the auture. Of the ac ca es that recovered 24 have been follo ed a cases have survived less than a year a from one to a years 4 out of 5 from 2 to 3 3 ars 3 aut of 5 imm 3 to 4) cars, 2 from 4 to 5 pears t from 5 to 6 years t d ed between 7 and 8 years all ing between 8 and o years a between t and 22 y ars t between runnd tay ars, a case ded between tg and its rars, t case himg between if and 27 years and t between to and 20 Of the r list g patients only one has a recurrence all the others are in good health and w king

In a r of the cas-s, or 40.0 pet rent the pullists r operation only could be performed on the carena at I sacendary colon in 8 eress trao verse colon in greates and the ignorian to cases. Direct ro eroanast mosts was performed in 25 cases so that nnu io 6 a merba a bumbil ral anue in e guera The author believes the suprapulac pubic nnor in a u m re empfortal | for the patient than the that Ar n result of the palliatt e operation 6 d ath occurred soon nit e operation these 6 cases firing ancer of the sugmoul with aterosis 4 cases sure el there to ser weeks 7 six weeks to three m oths a three to ale month 6, ses to I e m oth at ti eineightreo mo the t fout to f

years inform two wa lacking in one case a From tal to the en i ol roto lhere ere tje cases I e ne r of the rectum tor of which were operated o for meo and 40 m m. Two of them were twenty to them,) srs old 6 thurly to i rty frive of fit) 3 filty to sist) 35 sixty The location was the aous in it cases, to se cots the ampulla in 65 and nbm the ampulla to tt Of the 150 patte to 5 refused operation 40, of 31 per cent had the radical operation performed krashes operate a was performed in 17 cases with five I atha n I two survey I I r longer than three years Araske's operation with suprapulie and

was don in a see b createral operatio a case res ing m rethan three ears kocher soperation I case pennest ; ases ; I th five sury ing m re than the) is Il reen s operation I take belom a I comi ac I operation 5 cases -- 2 deaths s sure . I for more th n three years \Utogethel shere were es pe at recentres and soile the of them be gm | omen Th persons nt to patient bate h ed mort I to w s so pe more than thre s are 6 mor than 6 senrs le ded e ant :) re after the perat n without feur re ce st mint re till ing 4 without reur re ce a nel 1) ars alt the perat 4 nd 5 je rs aft r opetation recurre

In pulliate e peration w performed in u n 45 ases | e anus in (ases pr pub li r reci i ugett ge prap hr anus h MY Rag 1h

always been made. Operative or post-operative death 12 or 13 per cent. Living after one to a month 17 from operiot to years 5. The longest survival was five and one half years.

Sippel A A New Method of Operation for In ragination and Prof pas of the Rectum in Nomen (Fre o Operation suchode des lo agustionprolapses des M tharmes der Frasen) Z wild [6] k 94 x 1, 297 By Envirall M degre Grand o Geburgh a d Grenzeth

The case reported was an invagination of the pelvic portion of the rectum through the anal part as large as a small fist the antenor wall being chiefly in ol ed As there is recurrence in 50 per cent of the cases after colopers and resection of the intestine and drawing down of the flexure was too severe an operat on for an old woman the i Dowing opera tion was performed. After reposition of the prolapse the posterior walls of the vagina and cervix were plit The pelvic part of the rectum was exposed and lour longitudinal folds made to the rectal wall then the upper section of the plicated rectum was sutured to the posterior wall of the cervit. The sgina was resected and a growed the wall of the rectom being in luded after the making of a fifth the posterior part of the anal portion of the rectum and longitudinal perineal sutur in olving two

Conto B A Deta I of Techniqu in the Adothi no Perineal E cirpation of th Rectum (5) un det il de tech sque dan l'ext quaton botom opringiale du rect m) I d å g å su 35 By 5 ng Gyner & Obst

C not believes that it removing the rectum by the combined method the best di position of the colonis to lower it it the perineum and har it in the axis provided the axis normal. The difficult point in this procedus is the management of the mesent ry and the rissely outstand to it.

The inferior mesenteric art in hranches in various ways but only two of them ra mport at lo the first the color artery branches off s or 5 cm below the origin of the inferior mesenteric soil the truck of the agmonds 2 or 3 cm below that Io the second variety the colic and the s gmoids branch off at the same place and may e en have a common trank The I gation of the vessels for the purpose of lower ing the colo sho ld be made as high up as possible ocar th origin of the inferior mesenteric. In the first carrety there is some quest on as t whether it hould be above or below the rigin of the colic but the utho sinclined to I or the latter a it enders the lowers g of the colon easier In the secand variety the l gature should be play d as high as possibl above the common origin I the branches In pra t ce it is only as essary to expose the saferio mesentene t is origin he r the body of the third lumbar If t gi es off a coll teral near its onen

I gate above or below it as may be decided opon f

there is no collateral for the first 3 or 4 em the liga

tion should be as near the origin as possible The ligatures to secure hemostasis will be only on the arteries supplying the part to be removed. The experior barmorrhoudal should be ligated as high as possible so as to remove the glands that may be involved as extensively as possible But along the section of colon that is to be removed with the rectum they should be as near the intestioe as possible Practically the whole of the mesentery i preserved containing not only the marginal anastomotic arch but that formed by the spreading out of the branches of the inlesior mesentenc. It is freed from its vertebral insertion and lowered with the mesentery The author bebeses that this is preferable to preserving only the narrow hand of mesentery containing the marginal arch for the fatter t apt to be stretched to excess or even ruptured in lowering the intestine and moreover alter the reestablishment of the circulation there may be an excess of pressure in the arch that favors gangrene

The high lightion of the inferior mesenteric does not have any had effect on the circulation

LIVER, PANCREAS, AND SPLEEN

Fliot Jr E. A Consideration of Certain Coexist fog Lesions of the Gull Bladder and Lidney J S rg 014 hv 670 Bs Surg G: ec & Obst

Flot emphasizes the point that diseases complicated by the presence of other diseases; (as, for instance tubercular cervical lymph nodes in the presence of as public infections) or dise see occurring in one organ and affecting secondarily another organ (as for sostance the gall high left on the lad

ney or to m? I have not been thoroughly studed.
The writer has studed known to wonds of the known and has found case of pt tol hot wound of the known and has found case of pt tol hot wound and the hot work of the tolder of the

bladd also was perforated to two places

The hastory of the author's case i as jollows. The path is a m of it sent if he was shot with a patiol of medium calibe and it hen to the hos patid it is a main or reselved a small circular orange in the super right quadrant about one such below the patient of the super right quadrant about one such below the patient of the patient of



a cancerous nodule which simulates a gall bladder and a normal gall headder or there may be can cerons nodule and also a gall bladder containing calcult or there may be a new growth of the calcu lous gall-bladder Itself which has been transmitted

to the parenchyma All such cases are encountered but a minate and often repeated palpation ought to discover in these famors some anomaly in form or size which does not agree with that of the gall bladder They are

apt to be too large too extensive And at present the complement fixation reaction and Wassermann reaction are valuable aids in differential diagnosis If the observation is carned on for a sufficiently long time there will generally be some sign that will prove gall stones if they really exist There will he ant to be concretions in the stools and examination of the faces should be performed more generally and with more persistence than it usually is in the doabt ful forms under discussion I DUMONT

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS, MUSCLES TENDONS COMPITIONS COMMONLY FOUND IN THE EXTREMITIES

Telford E D Leontinsia Ossen a Report of s Case and a Review of the Literature By Surg Cynec. & Obst Chronicle 1914 lix 85

The author reviews the literature of the disease commenting on the ranty of the condition (less than forty cases having been collected) and reports a typical case. He describes the disease as one of unknown etiology beginning early in life as a bony enlargement of the orbital region with most marked changes showing in the upper jaw The overlying soft parts are unaffected and no subjective symptoms appear until the pressure of the enlarging bones causes cranual orbital or nasal symptoms. The disease progresses slowly with occasional periods of rest or even retrogression and terminates fatally from the pressure complications Pathologically the bones retain their normal contour but show marked thickening They are usually soft and por-ous showing cavities filled with pink gelatinous material Histological examinations show changes armiar to those of ostitis deformans of Paget

The treatment is pulliating operative relief of distressing pressure symptoms being the only DEFOREST P WILLIAM measare used

Wenglowski R M fignant Tumore of Bones a New Method in Conservative Operative Treat ment Le sei Lond 9 4 lters; 139
By Surg Gymen & Obst.

In malignant tamors of bone to a old resection of the affected area Wenglowski stembres the hone to kill all the elements of the tumor and then allows the dead bone to rema n in its hataral connection with the healthy part of the bone so that no grafting is necessary. Steam ander high pressure is used secured from an ordinary satoriare or even a steam kettle as steam in the latter is formed under a pressure of 3 to 5 atmospheres \ \ mece of thick walled rubber t bing one and one half to two meters long is attached to the pout of the Lettle and to the other ad I the tabe is ennuected a piece of metal tubing perforated for the escape of the st m For stenky g the front and side of the bone the author uses a straight metal tube with terminal holes for the under sarface a flat slightly curved take with holes on the concare side The tumor in the solt parts is removed then that ad hering to the bone is scraped off and the bone laid bare as for a resection. The sterilization is then carned out the soft parts heing protected by four layers of gauze upon which is placed a thin layer of sterilized asbestos and finally a metal plate the latter is used to protect against any hot water which might leak through

By experiment Wenglowals determined that a temperature of 55° to 80° C was necessary to kill the cells and bactina. To secure this temperature in the tibia it is necessary to apply the steam for three minutes for the lower is one and one-half minutes and for the condvies of the femur eight minutes

At the point of application not only the sarface near the steam reaches the desired temperature but also the opposite side of the bone. But along the bone it was found that s rm away the temperature was only 45 to 50°C and at 3 cm only 35 to 40 C so that the effert of the stram extends but about s cm. laterally If the greater part of the hone is to he sterilized at must be done bit by bit but it is only necessary to apply the steam to one side of the bone (preferably the back) as the effect extends through to the opposite side as mentioned above

PRANK D DICKSOY

Marphy J B Ostelits Fibrosa Cystica of Upper
End of Fermor S & Cl. J B Marph 013
u h 5 By S rg G3 ec & Obst

A male of 7 was admitted to the hospital on ac count of a deformity of the right thigh When the landed on both knees striking harder on the right than on the left life was confided to bed and had sharp shooting pains in the right thigh to the knee much of the time After two weeks he was up and about but continued to have some pain for the next ewo me the He did not have either chills or fever When he was fourtren, he tried to jump shipped and frll one leg extending forward and the other hark ward He was anable to use and was carried home For the next two weeks he had sente pain shooting



dyles and esrtilage of the lemur change in shape of patella semilonar cartilages, crucial ligaments and laner side of the head of the tibia Micro scopically the cartilage was seen to be replaced with fibrous tissoe as was also the marrow in some There was a marked productive osteitis in the tibis The synovia was thickened and con sisted largely of granulation tissue with harmon

rhages. The second ca e showed destruction of the tiblotarsal articulation with microscopic changes similar to the first ease to treponema pallidum were

found in either case

Rothschild M. A. and Thalhimer W. Experimental Arthritis in the Rabbir Produced with Streptococcus Mitis. J. F. perim 1 Med. By Sure Cypec & Obst.

The authors have succeeded in prodocing arthritis in 50 per cent of the rabbits injected with streptococcus mitis The character of the arthritis is tlentical with that produced by micrococcus rheu maticus and the esudate in and about the joints is of the same nature as that caused by streptococcus rbeumaticus. The raicroorganisms can be demon strated in a comparati ely small percentage of cases In smears, they are almost always found intracellularly is cultures they can be recovered

in about one third of the animal-Arthrets produced by other types of strepto eocci duffers by reason of greater destruction of tissue by bei g more permane t n character and by the exudate containing large numbers of poly morphonuclear leucocytes The deduction of distinct variety or anecies of atrentococcus based

Warranted

upon the power to cau e arthret s in rabb ts is un Roberts, P W The Pra tical Manadement of Chronic Osteo-Arthritis Med Rec 04 lxxxv 829 By Surg C3 re & Olst

C H Bremotz

The sutho while a knowledging the value of the resear h work which is being done with the purpose of clearing up the etiology of chronic a thritis and the development of spec fic remedes contends that e treme refiacment n disgnos is not essential

to isvorable treatment

For works g basis he uggests the d isson of chron c joint troubles into two classes () those due to or following a demonstrabl infrasion and (2) those due t s vicious metabolism Il puts especial stress upon the effrets f traumausm s d pos ts out the import ce of the immobilization of a chaffected jo nts observing that those joints which are saily put at rest undergo recession quickly while those more diffic it of fixation recover more slowly Toxic and mechanical rrit to ct both locally ad centrally the latter sflect ug a trition of the 10 nt tissues through siteration of the secretions of the ductless glands

In trests g such cases first the discero ble foca of infection should be removed local nutrition m-

proved deformatics that tend to put undue strain apon weight bearing joints should be corrected and as far as possible weight bearing parts should be placed at rest

He calls attention to the common fallacy of drug gog these patients with untirheumatic remedies such as alkalies salkylates and iodides whose principal effect is to disturb digestion. He also cau tions against re trirting the diet too elosely

He has had a very satisfactory experience from the use of thy mus gland substance in doses of to th s crains three times a day Its artion is slow and at should be continued for several months. Some times thyroid gland with the thyraus is useful in cases where there has been rapid increase in weight Recently he has used pituitary gland substance a t to 2 per cent solution being injected intramuscularly with striking lessening in pain and joint swelhag

In addition to these agents he has found the d Arsons al current given for the local effect of the heat produced to be of undoubted value Rest is of primary importance and the necessary orthoped e treatment should be tottliuted as necifed for each particular ease. He reports cleven cases treated along these | nes H W WILCOX

Warndorff R The Treatment of Tubercular Comitie. 1 = J Orth S g at 3 367 By Surg Gynec. & Obst

The author calls allention to the lact that while in America the Ireatment of tubercular hip disease as still uncettled there a no longer any question at the Lorenz chine in \ienna that ank loss g therapy is the most de rable. The redressment of the old healed tubercular hip by intra articular operation causes in in hy cases a recurrence of the active pro cess Rather than correct a adduction deformity by satra art cular redressment the nuthor advises subtrochanteric esteotomy The adduction deformity is the result of two things. The destruction in the imnt causes a rise of the trochanter above the Velaton line thereby causing a relative lengthening of the pel sotrochanteric muscles sa addition these muscles are insufficient also as a result of atrophy The combination of these tw conditions causes a dropping of the pel is to the unsupported side when the body we ght is supported on the affected leg alone so that the pelviofemoral angle is less than 90 degrees instead of more than 90 degrees as it is when standing on the normal leg alone

It was obser ed that patients of the remote Alpine It was ower cut man patterns to the remote capping regions who recovered from costiss without treat ment had a kylosed hips, but they had only a little atrophy nd a strong innectionally good leg with no sensitiveness on the other band in those cases which have been protected by estension the leg is functionally usfit atrophic easily tired and al though in better position than the ankylosed cases as lo g as pparatus is worn quickly develops the anevitable adduction deformity when use of the leg is begun without spparatus At the Lorenz clinic the



cases. The effect of injections of serum or vaccine SCHULTZE on urethritia is very slight

Brown W L and Brown C. P Technique for Arthropiasty of the Shoulder-Joint J Ass If Ass 1914 Int 1389 By Surg Gynec & Obst

This terhnique was first a orked out on a cadaver and then applied to a rlimcal case. The case was that of a carpenter aged 44 who auffered from a atiff shoulder following a auppurative condition in the joint The results of the operation a ere very satisfactory as mobility of the arm a as restored

In this operation a portion of the short head of the biceps four and one half inches long is utilised for a flap to interpose because it is covered by a more dense tendinous sheath than any other structure in the neighborhood and is correctly located anatomically to line the glenoid fossa and cover the entire head of the humerus EFFEYE CARY

Von Schatteburg K. C.: Mutuple Tumor Forena tion in the Region of the Wrist-Joint (Iber muliple Tumochild open in der Gegend des Hand gelenkes) D ser tow M nohen. 9 3 By Zentzhild if dge Cair a i Grenngeb

Cavernous auguomats are discussed with apecial refere ce to their ordinary localisation and their coexistence with other hinds of lumors. In the case described a small tumor bad appeared 12 years before oo the right thumb. There also profuse awcating at its site and sensiti eness to pressure The tumor was removed in part On adm ssion to the hospital numerous tumors a re found on the radial side of the right foresrm and the palm of the night hand some of them acft and some of them especially on the thenar eminence hard. They we re not especially painful on pressure. The akin over the tumors was blush. The radial aide of the right wrist the thenar eminence and the thumb personned profusely The gla ds of the region were not en larged

On operation tumors were found on the t ndon shesths of the flexe carps radialis flexor pollice longus and abductor pollicis longua They a ere fre ly eaposed and removed One a luch penetrated very deeply was loc ted on the capsule of the wrist joint one aas firmly adherent to a nerse. The tumors and the autrounding tissues were to 13 as cular and on the flexor aide of the right force in above the wrist joint there were varicose veins The akin here a as moist also on the radial side a similar occurrence having been recorded only once in the literature The ulna side was almost dry The ht thenar eminence was somewhat atrophic More tumors could be felt on the aurface of the hand

bove the tendon of the flexor carps radialis A erv ascular tumor as large as a pea which a as certainly a recurren e was found at the boundary between the distal and second phalanx of the right thumb. The glands were not enla ged Some of the tumors a ere ca mous ngiomata others neurofibromata

Grant T P and Stewart M J On Mycloid Tumors of Tendon Sheaths with Report of a Case Glasgow M J ror4 lext 333

By Surg Gyuec & Obst Sercomala of the teodon sheaths are found most commonly beta een the years of 15 and 40. Trauma

probably plays an important rôle ionsmuch as the bands are most commonly affected -87 per cent of true my cloud tumors occurring on the hands

and most of these on ficaor tendors.

The myelold type remains more localized and vanes in shape according to aurrounding structures while spundle and round celled tumora are more apt to spread The chief early diagnostic features are slow-growing painless freely movable masses under the akin with little interference to tendon motion Microscopic examination bowever in always required for exact diagnosis

As to treatment Tourneuv a conclusions from which the above data are taken are (1) Local removal authout interference of the tendon, if it is an early growth especially if myeford (2) nide dissection or amputation if round celled and extensively infiltrated (3) amputation if recurrence

takes place no matter what kind of growth it is The author reports a case of tumor following nuncture of the finger by a Lutting needle which was shelled out but recurred twenty months later requiring amputation. The tumor removed a as pellowish in color and soild throughout. The ustology is discussed and a term suggested by Brliamy myeloid endothrhom applied

H W MEYERDING

FRACTURES AND DISLOCATIONS

Murphy J B t Fractures in the Neighborhood of Joints J Le cet 914 zerov 26

By Surg Gynec & Obst. The author calls attentron to the frequency of lollmann's contraction following a too tight band age on the forearm in the treatment of fractures The muschief is done in the first forty-eight hours and the forearm may be permanently ruined. To avoid this padding four inches thick about he put on between the wrist and the elbow and instructions left that the bandage is to be cut if the hand swells For fracture of the condyles the arm should be

put up in full flexion and not disturbed for passive motion for tao and a half weeks for children three weeks for adulta Passive motion too early when ft causes pain produces laceration and results in extensive escatticual formation with a conseque t ankylosis or a limitation of motion ankylosis or a limitation of motion. The best way to secure a good position after condylar fracture i by nailing on the fourth or fifth day. The bone laso superficial that only a small incision is necessary An eight or ten penny naif should be used This prevents the friction a high produces callus and the less the amount of callus the less the likelihood of production of ankylosia After thus nailing the arm may he put in a sli g with no other dress

FRITZ LORS

ing I for fractars of the obccusson a single sall at the proper angle is better than plating are winned The author reports a warlety of cases in fracture at the elbow in one case he rescreted part of an anterlosty displaced upper fragment of a supracondylar fracture in allow facisin of the forearm In another case he brought the lower fragment forward and fastened it with a lane plate to restore mobility. In another he detached a displaced condyle completely and nafield it back in proper condyle completely and nafield it back in proper

place with a good result For fracture of the hamerus near its head the fragments should be adjusted by open operation and nailed in position In some cases the head had to be taken out, reinserted and nailed in good position In Pott s fracture there is a crowding of the astrag alus upward between the malleoli To prevent this position becoming permanent the foot should be put an in extreme adduction -if the fracture is above the articular auriace of the tibia - and kent there for at least six weeks to permit healing of the ruptured interesseous ligaments. Impacted fractares of the upper end of the tible are usually called sprains and overlooked Fractures near the biojoint usually require asiling. In one case the head was found detached and dead hat was nailed in place and showed a good result four years later there is a fracture of the neck of the femue there should be \$5 to 35 pounds extension with superlative abduction of both legs I A CLARE

Erving, W. G. Disgnosis and Treatment of Joint Fractures 1 g M S m M th 914 ME 85 By Surg. Gyarc & Obst

Joint fractures are enggerated sprains and by use of the V-ray many more eases are now being recognized as fracture sprains. The hemorrhages et following, and the absorption of the fibrinous elements. I undust bed tend to limit joint and anatomic statements of the property of the fibrinous elements. I produce the promise in some accepted in preference of normal function is non-accepted in preference to complete immobilization and thuse.

With joint fracture and junit sprain, replacement of the fragments immobilization f r the shortest possible time and scine mobilization to prevent adhesions, consultate the treatment

The author emphasizes the alme of N ray vs. amustion A emporary adjustment and sphot manufactures and application of the North American and the superposed conductions an authors would out an other manufactures and abetter reduction performed the jumts in sun pulated to deser the structures of body spicules and put it in a position of greatest value in case of fixation II possible neighbour joint about the left free, as infiness commonly rasults from the complete facilities.

Plaster of Pans splt nd well padded is preferred as splint material because of its adapt blitty and hightness. From four to five weeks in Colles, and ast to eight weeks for Pott's fracture is no longer to be considered and to come in mobilizar. tion longer than seven to ten days invites stiffening. Hot air massage dressings of hot cloths and baths are recommended. Manipulation under aniesthetic should be given at the e d of a month. Weight bearing in ankle fractures cannot be bone under five seeks at the earliest.

H W MERCENNE

Fiérez, J Intracapsular Rupture of the Long Hend of tha Biceps Its Relation to Arthritis of the Shoulder Joint (La rapture unta cu sulura du tendon du long biceps bratchial set naportis sur l'arthrit seche acquio-luméral) Arch gé de à Par 1014 139 By Journal de Chirupe

This accident generally follows traumation due to bling a heavy load: there is a crucking so that go a bright go a few young there is a crucking so accepted as a consistency and for of the sam. It is clar actenated by (1) a swelling of the long hard of the biceps (a) the tendon can be felt to an absormal degree under the anterior edge of the defined (i) the tendon spaced more results of the consistency of the tendon can be felt to an absormal degree under the anterior edge of the defined (i) the tendon spaced more or less ander tenson when

the bicers contracts

Fixes maintains that this symptom couples is produced maje by net record and the tendon, and by elongation of the tendo inward adsocation in pseudoherma of the make if behaves it is a relatively frequent affection. If impaid in one in a grassmantaines of hospital patients, and in the dissecting from some out of the sense dissection. Besides the acute more not one of the sense that the sense is an expension of the actual to the sense in the sense in the sense in the sense is an expension of the actual time the sense in the sense in the sense is an expension of the setting time to the sense in the sense is an expension of the setting time to the sense in the sense is an expension of the setting time to the sense in the sense in the sense is an expension of the setting time to the sense in the sense in the sense in the sense is an expension of the setting time to the sense in the sense in the sense in the sense is an expension of the sense in the sense in

The explane so propersus to be process of destroots on passing through retrieves eager. The good was expected from the several unvolved there as arthests without effects exchendives, osterophytra in dilestess within the point. The localization of the arthests determine the seas of the feason in the tendon later affects the season the feason and the tendon later affects work of destruction. The ruptors of the long head of the breeps is one of the results of authoria. This process is not comfined to the shoulder-point but the process is not comfined to the shoulder-point but

inay be observed no other joints. It is important to know the part played by arthrits of the boulder joint for repture of the tendon when possing adaptement on less of function fellowing industrial accretions. Prove conclude that from the medicolegal point of were there are three possibilities. (i) The traumations is the cause of the repture. (i) The traumations are unlessed as different to the architect in the cause of the repture. (i) The traumations are unlessed as different to the architect in the produce the lesson. But if it can be above that ap to the time of the accident the injuries of the architect that are the architect to the carried of the architect that are the architect that only the architect that are the second of the architect that are the ar

In conclusion the author brings ap the question of whether abnormal insertions of the long head of

ne biceps are congenital lesions or malformations ue to sotracapsular rupture. The treatment is urgical only in exceptional cases The thing to be reated is the arthritis which is the cause of the BERNARD DESPLAS upture and the palo

tidion J Spontaneous Dislocation of the Hip T Am Orik A Phila to 4 June
By Surg Gynec & Obst This paper is an argument for the use of the

erm spontanous dislocation, for that of con genital dislocation which has been used up to this ime Some femoral heads may never have been in their socketa some may have supped out before both and others at both but it is a known fact that some appear to he out at birth and later on become secure and in place others slip out after both and hefore the child walks others remain in

place until the child has walked for some time and then go oot without recognized traumatism as late as the fourteenth year Cases were reported and lantero slides from radiograms shown illustreting these facta also slides were shown illustrating the case of a man 54 yeare old who had never had any trouble with his hips, but whose sockets were so shallow that they

heads

embreced not more than two-thirds of the femoral SURGERY OF THE BONES, IOINTS ETC.

Thomas, H B Bone-Transplant S f G) & & 06 1 0 4 min 580 B) Surg Gynec & Obst The author advocates the use of bone supporta taken from the patient where possible The Lane plate is thought to cause irritation and a tendency toward suppuration very frequently regardless of the Lane technique. The per cent of unsuccessful cases is taken from one hospital only and is much higher than a general study of several hospitals would probably show. Some of the uses now made of auto bone plate are enumerated among them

To plate fractures in long bo es, thereby d m man ng the possibility of supputation and a second

- operation in comparison with the Lane plate
 2 To aupply congenital deficiency in long bones To retain corrected or near corrected position in ac botic apines
- 17 to replace resected tubercular jos ta 5 To hold the overcorrected tabpes equano varus foot in position by placi g a wedge of bone taken from the tibia in the groose made by the overcorrec

t n and by hap pegging as suggested by Alber.
6 To supply loss of bone following osteomy chits
7 To replace joints resected for cyst or male nancy using strips of tibia taken from the same patient as in Halmead a aboulder case not yet re-

Only cases under the headings 1 2 3 and 4 are considered. A case of auto bone-plat ng is men

tioned with the opioion that the use of the bone-plate will tend to displace the use of the steel plate The replacement of a congenitally absent meta carpal and the replacement of twelve inches of resected knee joint with ten inches of the patient s tubus placed in tuberculous material are reported

Allen H. R.: External Bone-Plating Preliminary Report J Ind a St W Ass 19 4 u 206 By Surg Gypec. & Obst.

Under this t the the author describes his technique in the operative treatment of fractures, which in brief consists of on external plate made of a low melting olloy composed of a combination of metals This alloy melted over warm water is poured into n trough composed of rubber tubing or forms of any consequent material into which pass the external ends of the usels which penetrate the bone fragments The nails pass entirely through the bone and are

placed at diverging angles to each other He claims for his method better fixation than with other well known methods of external fixation with absence of pain and infection He never uses plaster of Pans for splints but makes his splints of wire and adhess e plaster II II TI ILLOS

Albee F H The Inlay Bone-Graft in Fresh Frac tures. \ Y M J 10 4 Srt 1
By Surg Gynec & Obst

Albee considers that the results of inlay bonegrafting in old ununited fractures have been so good that the same methods applied to fresh fractures should be equally successfu

He obtains the graft used from the fractured bone instead of from the crest of the tibia by making the segment removed from one fragment twice the knith of that removed from the other if possible five and one half maches for the long and two and one-half inches for the abort segment With a sharp instrument the penosteum is stripped from the area from which the abort segment is to be removed to insure the removal of the oateogenetic cells and the gutter started by twin saws adjusted to cut the desired width The long segment is outl ned in the same maoner but the penosteum is removed from only the distal ball of the segment. The parallel as w cuts are continued to the medullary cavity by a single saw held at such so angle as to cause the saw cuts to converge as the cavity is approached thus preventing the graft from dropping into the medul ary cavity when forced into place

The breadth of the saw cuts is sufficient to allow the graft when placed in position to sink below the level of the gutter and in the margin so left dowel holes are dulled obliquely outward into which some are current consquery cuts any mino much constrained from the spit up short segment are driven in this way the may is h if firmly in place. The strapped back penostemen above and below in them over and satured the ninfilled part of the gatter being liet to fill up with new bone. The soft parts are closed in the usual manner and a plaster of Peru diverse model. of Paris dressing applied FRANK D DICKERS

Brunetti C. Bone-Grafts (Les ereffes ouermen) Ge din 1914 1" 3 By Journal de Chirurne

The anthor describes the case of n man of 73 with a surcome of the humerus. The humerus was resected then a fragment of the fibula ac em long was removed the penosteum being preserved as well as possible the two estrematics were pointed and introduced into the ends of the hamerus. There was no sutnre of the bone Desinare was established and the shoulder and elbow immobilized Radi ography a month later showed the scaft to be normal Two weeks after this, while the arm was being massaged the lower end of the graft became detached from the humerus and a second operation had to he performed to fix it in place At this time the periosteum was found normal and the fibula was adherent to the neighboring muscles Four months later the pat ent was using his arm normally with only a slight decrease in muscular force

This case seems to justify the belief that the transplanted fragment continues to live -an opinion that is at present disbelieved by the majority of I' DE MO BRANCO

Callie W E, and Robertson D Er: The History of a Bone-Graft Tr Am Orth A Phila 1014 Tune By Sure Gynee & Obst

This paper consists of a report of experiments on animals conducted with a view to determining the successive histological changes which occur in bone transplants Pieces of bone an meh and a half long were removed from the radu of does and carefully replaced and held in position by stitching the periosteum sies them with fine catgut. The specimens were recovered at the end of one two three and eight weeks

It the end of one week microscopical examinestion showed that the graft was quite dead, there being

no circulation present and no living cells.

At the end of two weeks the circulation aboved signs of being reestablished by the growth of new blood sessels into the cracks and open haversian canals and along the edges wherever a haversuan canal was cut transversely it was seen to contain new blood vessels. The lacung were empty

At the end of three weeks the circustion was completely reests blished and the graft firmly united to the rest of the radius by new formed bone Everywhere around the outskirts could be seen proliferating osteoblasts which were invading the graft spreading into the cracks and open haversian canals slong the new formed blood vessels many places these esteoblasts were laying down many places these extendests were taying wown new bone. Along the edges, wherever havenan canals were cut transversely, they were seen to con-tain blood vessel surrounded by osteoblasts a d new bone Elsewhere the graft was devoid of cells as in the one- and two week specimens Wherever invaded by once blasts the graft was becoming

At the and of eight weeks the graft was cancellous throughout there he g very little dead bone left

ats place having been taken by trabecula of new bone laid down by the invading esteoblasts

In another experiment before the graft was re slaced half of it was completely enveloped in the foll. The specimen was recovered at the end of each weeks and sectioned longitudinally In the up of the foil covered extremity the bone was quite dead and as solid as when placed there althous carculation had been completely relatablished Nearer the middle the same picture appeared as in the three weeks graft described namely invision with osteoblasts and the laying down of new bone At the uncovered end the picture exactly resembled the eight aceks graft in being cancellous and made up entirely of new formed trabecule. Thus this specimen showed all states of the history of a bone

In another senes of experiments the grafts were boiled for five minutes before being put into postion The sections showed exactly the same series of changes as described above in the imboiled grafts. In a third series beterogenous grafts were employed and aroun the same senes of changes were demon strated In all cases the grafts were solidly united to the dog's radios and the repudity of replacement hy new bone appeared to depend solely upon the relative hardness of the graft

These experiments demonstrate that following thu successful transplants tion of small bone grafts

the following changes occur

s Death of the staft Revascularization of the graft

3 Concomitant absorption of the dead bose and production of new bone by bone-cells which invade the graft along the route of the new blood

These esperiments show no difference in the value of fresh and boiled bone as trensplants and no difference to the gross and histological changes mendent upon the introduct on of autogenous and beterogenous bone grafts of similar density

Brougham E. J and Ecke A C. Preliminary Report on th Treatment of Fractures by Fin tion with Animal Bone-Plate and Bone-Screet Sarg Gyner & Ohrt 914 Evin 637
By Surg Gyner & Ohst

The authors report successful cases of firation of fractures with absorbable bone-plates and bone-The fixati n was secure and efficient in all SCIERS. cases and perfect un on with bundant callus forms tion resulted. It was found a non union when plated with the device that callus formation was stimulated and not retarded

The device and special instruments for the plating users a mechanically simple peration. The technique of peration is that of Line. The bon used for mixing the plates and screws obtsized from government-uspected cattle. The material a deprived of its aumal matter in bleached and the plates are made a thin as is consiste t with strength

The plates which are five a number constitute

the working set each one being designated by a

number No 1 the smallest No 1 the largest The holes in the plates are previously drilled and threaded The plates are scrubbed with brush soap and water ateritized by boiling for two bours, and placed in formalized alcohol Before being used

they are placed in normal salt solution from which they are taken at operation In operating the fracture is exposed and the boneplate selected is placed over the fractured ends and held there by the pressure of long forceps in the hands of an assistant. The operator proceeds to dull the underlying bone beginning at the hole at one end of the plate The hole drilled is threaded a th tap and the bone screw mounted in the hold ing chuck is screwed into plate securing one end

of the bone plate The other end is treated blewise then the inter mediate holes The projecting ends of hone-screws may he sawed off with a metacarpal saw or the special hone of pper may be used

The wound is closed dressings are applied and fixation is renoforced by the application of a plaster cast. The cast is fenestrated in twelve days the sutures are removed and the cast is strengthened if preded It remains in place eight weeks and is then removed in normal cases it is not reapplied

Benjamin A E The Operative Treatment of Fractures, Demonstrating the Use of Steel Plates for the Correction of Bad Fractures J La d 914 at 270 By Surg Gymer & Obst

The imperfect and sometimes disastrous results following attempts at bone-plating may be due to the improper application of splints selection of the wrong plate screws too small for the drilled holes a ft bone impaired vitality or infection. The au thor reports fourteen cases of frecture which he treated by open operation. He used Lane plates a neight of these in four the plates were subsequent ly removed in two he reports sinus formation per sisting several months W A CLARK

Reynaldo dos Santos: Operative Treatment of Simple Fractures (Trast ment operatore des iract res fermées) Med niemp Li h 914 ntemp Li h 914 By Journal de Chartery

During the past two years Reynaldo dos Santos has operated o 30 simple fractures applying e ther mple screws or screws with plates or storply reducing the fract re through the incision file has sed Lane a plates in frectures of the humerus the show th femur the b physes of the tibia and tibula the malleoli etc

Among the ruses there were two especially sater esting ones in one there was separetion of the esting ones in one there was selected muscular a tenor tuberouty f the tihia by sudden muscular actuaction is a young man. The patella was octraction 1 a young man. The patella was pulled pward and the fragment of the tuberosity pushed down. The operation consisted in tepl ca. g the fragment with th aid of two plates. This severe

articular fracture recovered completely with perfect functional results

The second case was that of a man of 50 who had an oblique frecture of both bones of the left les with shortening pronounced ordems and giveo-RITHE

The anthor saw the patient one and one balf months after the fracture which had been treated by immobilization Examination showed torsion of the leg very defective coaptation no callus complete loss of function pain and glycosuria Under povocame anxithesia one of the extremities of one of the fragments of the tibia was resected which did away with the overlapping but left a a mere of bose removed from one of the resected fragments Healing was by first intention Thirty days later there was a well-defined callus and at the end of 50 days fixation and consolidation were complete

The author emphasizes the good result in such a seemingly hopeless case. He musts on rigorous ascess and no sutures Hamostasis is accomplished by crushing the vessels the muscles and aponeuroses heal without suture and the skin wound is held together by clamps The limb is immobilized for 12 to 13 days with metallic splints followed by massage and mobilization P DE RID-BRANCO

Soula R. E.: A Further Consideration of Arthro-desis in the Treatment of Paralytic and Other Acquired Deformities of the Foot Tr. 4m Orth Ass Phila 1914 June

By Surg Gypec, & Obst.

In cases of permanent paralytic valgus of the foot in rigid and telapsing flat foot the astragalus for mishes a secure anchorege for arthrodesing the astragaloscaphoid articulation after the deformity 15 corrected

The astragalotibia articulation is a broad ovid hinged joint and being nearly horizontal gives a broad weight bearing surface whereas the astraga loseaphord articulation being a ball and socket somt and placed as it is so that the articulation is almost perpendicular the strain of weight bearing and muscle action produces the maximum of deform ity at this point. The astragalus remains in a nor mal relation to the tibia and fibula Thus ankylous produced at the astragaloscaphoid joint gives a stable non relapsing foot without the loss of any necessary joint and without material mutilation to the foot. The muscle power already present is preserved and given an opportunity to develop

Through an encision about one and one balf inches long parallel to and to one side of the tendon of the anterior tibial muscle the joint is exposed and with a cursed gouge made to coolorm to the ovals of the joints the cartilages are removed from the head of the astragalus and scaphosd articulation. Correction of the foot forces the denuded surfaces together where they are held by a closely fitts g plaster of Pares cast for six weeks

ORTHOPEDICS IN ORNERAL

Mnmhntl fl W and Languerker II L. Hyglente Testa Applied to Orthopedie Conditions. B sten M & S & J tol4 citt 75 By Surg Cynec & Obst.

The object of the author was to provide a good basis for the recording so I study of the many difficult cases of arthritis which come to the orthopedic autreon ffe gares a chart whose base line marks the normal average of such indices as height, weight blood pres ure hamoglobin amount of urne amount of food reflexes, etc. \ ariations from this normal average line in an individual case are graphically shown by plotting a curre which goes above and below the normal base line in direct proportloo as the indices in the individual being at a lied inry

The chart should be very useful in keeping the nttention of the patient an i physician on the abnormal ties on I in aboung clearly the Improvement

resulting from treatment FARDERICK C. Ken en

Bingham A II t Orth pedica in General Practice horth to J Homeop 19 4 2518 291 By Sury Grace & Olst.

Bingham emphasizes the fact that orthoged e con ditions are first seen by the general practitio er and that he should be able to recognize the conditions and institute proper treatment. I avorable prop nosis in orthopedies depends upon such early ding nosia and trentroent

The various coul tions which the general practitionet should tecognize and which will result to severe deformity if not treated early are herelly dis cussed

Weak foot with its vague aches on I mains of the foot and leg, and with promitms of the foot but no fistiening of the arch should be treated with exercises to strengthen the tibials and with 1 roper shoes leute crampl he paus so the anteno part of the foot due to the brenking down of the transserve much can often be cured by a felt raid un ler the head of the third and lourth metatarula. Special mention is made of the peces ity of n

thorough examination of the whole body and of exer-ses for the correction of postural habits nod the strengthen ng of muscles

Rickets in anoth z combinen which saids quickly to early treatment and which will produce marked bony deformities if neglected

I oftomyel tus Iso is frit seen hy the general practitio er and much 1 the deformity and aft ? treatment can be prescoted if the hody and limbs nre h bi to prope position during the early stages by aplints etc. If at missage and le incity are

useful in stimulating the paralyzed muscles

Joint tuberculosis bould I ayabe suspected if a child I mps and complains of more or less pensatent to t pain. The prognosis it in direct relation to the

early beginning of treatment

DaFourst P William

Lovett R. W The Causes and Treatment of ett R. W. The Causes and Treatment of Chronic Backache with a Consideration of the Diagnosis of Sacro-Riac "Relaxation J A M Ats 1914 kill 1615 By Surg Gyac. & Oh.t.

Chronic lameness in the back is usually attributed by the lasty to either kidney disease or to derine troubles Considering fundamental facts, it must be remembered that the coodston has to do with a jointed weight bearing upright column maintained to fulance by moscular effort that the load is mostly anterior that the sacro-shae fount which tinnsmits the weight to the pelvis and theare to the less is only very slightly movable more so is woman than man, and in front of it hes the lumbesacral cord and pleaus that the spinal column as a structure of about one hundred articulations with intricate I gaments stronger on the postenor than

on the nateriot side Class lying on an etlologic basis three vaneties of backache cao be obtacally identified viz (i) The thronic nche which may be due to a forward best position which the patient habitually assumes to sel eve displiced and tender pelvic organs. Treumstum resulting in chrone imitability Arthrets of the spine To addition to these there is a large percentage of noclassified cases relative to the aure of which there is diff rence of opicion Two theores are held that of the state ones sasuming that there is a forward d placement of the center of gra sty imposing undue strat on the postunor muscul ture of the trunk and that of sacro-that strain of sacro that relaxation & to the latter theory at m of such n n tore as to adm to definite proof at refutation by routerhoscopy or antops; and no such evidence is available to establish such a cond tion as a chaical entity The therapeutic measures employed by the adhereous to this theory such as stange of adhesive plaster on the movable skip with the iden of immobiling the joint and preventing the bones sliding by mehother nre in themselves il they give relief evidence that no su h co bisso exists. For it is not to be be bened th t such strapping even with encircles wibbing or plaster of I me will permit a shdue thru t of 75 t 125 pounds at every step

The sinti theory on the other hand cannot be pro ed or d sproved by rootgen my or pathology The proton fit this theory and moreover the simpping I cented by adhereous of the arero that theory could e ulp inford rel ef to the static cases by cu g as nn n nulat ligament to the glutes! muscles These thuc cases are due either to hiers!

notemposi nor defects e balance

In nn nualysis of eighty three private cases the uth balance to, nateropost nor balance 31 peine 6, imumat c 20 ribnis 15 acote lombago - 100 acut to clusuly

Trentm of ol the pel te cases usually arrans mecha ical measures fimi Those due to animis of the spi require fixation of the spine and this is best done by means of a canvas or leather corst trained. The proportionately to the seventy of the inflored proportionately to the seventy of the trained for the inchance the pelves should be trained affect in balance the pelves should be leveled by building up the sole and heel of the shee on the proper side. In cases with effective noteropostenor balance as effort abould he made to throw the creater of gravity backward. This is done by raising the heels of the shoes and by means of the therapeutic cornect This covers should be tightest around the pelvis at the bottom diminishing in pressure on area that top where it should be loose making no pressure on the back at thus point and it should have a straight front.

W. A. CALEZ.

Pollock II C.: Soma Common Facial Deformittes from an Orthodontic Standpoint I terd II J 914 211 576 By Surg Gyner & Obst

The author describes delormities caused by malformed java and tests had as a squared mouth and undershot javas and states that they can be absolutely cured. This is brought about by an apparatus made up of small platform springs and justed to the mouth by men so if the teeth and made tissues to respond and grow in the direction in which the pressure is applied.

Pollock shows photographs of 4 such cases before and after treatment lasting from one to two years,

and after treatment lasting from one to two years, with perfect results

From B A Case of Congenity Defect of tha Ulns La d Lood 9 4 class 1457

In Surg Gyne & Other The author's case a grid of 7 years aboved an absence of the lower two thirds of the ulan together with three dipps a sislocation forward and upward of the upper and of the boned radius on the humerus. Two data it the thimb and bitte finger a ree present. The hand comsisted of the therar and hypothetam. The hand comsisted of the therar and hypothetam angle. The left humerus was one inth shorter than angle. The left humerus was one inth shorter than

The elbow seemed to have good power and motion the hand could be suprasted but from full superation only on of pronstion was possible post bly due to the curved radius. There was about normal west and fuger motion.

its fellow

Attorned a classification is given and reference made to Wierrey sails appear in 910 when only a cases of this Lind were recorded. As interesting d gram and \r y are published with the riscle

If W Mryzgare

Packard G B The Man g ment of the Convales cent Srag of Hip D sease T Am Orth A I hila Q 4 J By S rg Cynec & Ob 1

The uthor mphase es the following posots importance of the ubject doration of trestment with a varies according to the resistance of the

Individual time of diagnosis and efficiency of treat ment importance of \text{Tay findings as a guide to the question of further protection of the poot prolooged eart required in many cases that are apparently free from activity the cause of relapses the question of deformity the value of moliou and its interpretation in many cases apparently arrested after long and serious nurvlement and the significance of addiction and abduction in the late stage of hip disease not allows recommend.

The conclusions are

1 Treatment is discontinued many times when
the disease is active

3 The deformity should be corrected if possible without trauma to the joint

3 The \ ray findings are very valuable and paramers should be taken at frequent intervals 4. The joint should be protected and the patient kept under observation as long as there is the slight est sodication of disease regardless of subjective symptoms or expenditure of surgeon s time

Geist E S Supernumerary Bones of the Font the So-Called Tarsalis T Am Orik Ar Phile 9 4 J ne By Surg Cynes & Oh t

The author reports a rontgen study of the feet of one hundred individuals who have never presented any foot symptoms

The studies of Pfigner and Dwight and others have shown that some of the supernumerary bones of the foot are of excredingly irequeot occurrence such for instance as the or tingooun the on peronel and the os tibuse. The studies of these researchers new confined to dead house maternal and it was not known whether the subjects had ever presented foot symptoms or not.

Since the advent of radiography the knowledge of these boser has become important on account of the fact that they are frequently mistaken for fractures. It is of interest therefore to ascertain whether these various superimmerary bones occur as frequently as is indicated by the statistics given by the authors above mentioned.

This \ ray study of the bones of 200 normal feet almost exactly corroborates the statements of Phizner and Da ght The following are the results obtained in this st dy

Os trigonium 800 | Os person 1 700 | Os tubale 1500 | Os

Os intermenasah Indef nite \ \ \text{Innviselege} of these supernomerary hones is of importance as they have frequently been mustalers for broken-off pieces of transl hones — the heterium in no country being free from errors of this sort It is further necessary for the meteological expert to he sequanted with these normal anstone varial \ \text{visits}

SURGERY OF THE SPINAL COLUMN AND CORD

Adams, Z B 1 The Cauces and Their Relation to the Treatment of Lateral Curvature of the Spine Bo ton M & Surg J 1914 clar 785 By Surg Grace, & Obst

Severel years ago Max Bochm called attention to the numerical variation of the apune as a frequent cause of scolosus. It was especially the neym metrical ascralization he considered as most em portont. In a former paper leased upon the examination of aleletons Adame came to the conclusion that abnormalities of the lumbosacral articu latione are probably of much greater importance in this brection than asymmetrical sacralization The conclusion has been brought into greater prominence by an extensive etudy of \ ray plates of patients with lateral curvature. So fee in ea unselected cases, abnormalities have been found which are coondered to be the eause of the scobods except in one case of infantile paralysis where no bony almormality was noticed. The reason why scolous most frequently develops between to and 14 years ie that at this age the anterior lumbar curve becomes conctant nod the weight of the upper trunk is correasing very rapidly. The increased tipping throws greater etrain on the articular processes and as the angle of inclination toercases, the horizontal thrust becomes more vertical and the strains tend to u ite lience when these processes are defective scoliosie develops

In discussing therepy Admire compares critically the methods of thoset and for other Both methods give good results in some cases and fail in other bother of the mounteers the true muse as seen by Adams who eugests operative trentment if con executive methods fail or even before correction as attempted. Such oper 100 chould ctrive to remove bony obstances or look together defective noticular processors that the control of the control of

Galloway H P !! The Treatment of Paralytic Scollosis by Bone-Grafting. Tr in Only As Phila 0 4 J By Surg Gyace & Obst

Gallon y reporte three cases of paralyle scolosor treated by Albee so hone grading operator If drawn treates the product of the case of the case of the paralyle of the muscular gay more whe the normally maintain the erectness of the spread he casming such a case I the patient be for leasaning such a case I the patient be first pleed face done ward and then examined sitting or etinding, I entermely wooss effect of the cuprancumbe I we ght of the head and shoulders be the case of the

problem and the physician is driven to stitempt

mechnoical support which is relatively futile.
The author first tried bone grafting for this conlition in July 1913 on n boy of six years with a severe paralytic scoliosic together with marked paralysic of both lower extremities. The epini distortion had been rapidly growing worse. Instmuch as the severe delormity almost disappeared when the child was placed face downward it seemed re tional to consolidate the area of greatest deformity while the child was in this position thus making it impossible for that part of the spine to bend exteways or twist when the erect posture was resumed Through a long, curred inclsion the dorsolumbar remon of the crune was exposed and the epinons processes of nine vertehra were split anteroposterior ly into lateral halves While assi tants made traction on the left arm and leg to help obliterate the deformity n long heavy bone graft from the tibig was spected ento the cleft in the bones end securely sutored in position 1 recumbent position was maintoined for ten weeks followed by the weering of a removable correct. Very marked improvement has been maintained as is chosen by photographs taken before the operation and ten monthe later

A second case was less favorable for operation, and as the case was not followed up the result is not

known. The third case a girl of five had complete partly as of both hower entermitten and so much distortion of the doesnloads region that even when the best there was given apparent the continuous continuous terms and the continuous continuo

either of the other case. Having behand ihm the experience gained in these three cases the author feels justified in necessarity and the production of the case of the case of the case of the case of parallytic coolons where the deformaty is increasing but the epime set of feelings and shows marked lesseaung of deformaty in the reumbent position. The operation is applicable to adult as well as chaldred. The unknown of the case of growth out he gratter than the production of growth out the gratter tages, if the case includes the case of the c

Forbes A. M: Criticism of the Paradosical Rotation or Physiological Treatment of Scollosis Tr Am Orth Ar Phila 914 June By Surg Gymes. 4. Obst

Forbes has demonstrated by pathological speci mens that scolosis is not a deformity of the spine alone but of the trunk and especially the thorax

alone but of the trush and especially the thorar.
There are two kinds of scobotts (1) Physiological scobosts, which is due to attitude and which is saumed many times every day be every person in his normal life from this there is retuca (2) Pathological which is an evaggeration of physiological scobosts and which is characterized by bony

and other changes from this there is an return. The fundamental treatment of realisms is the production of physiological scolours of a reverse character in the pathological sections already easting. This with the law all todif can be depend from the section of the law of Wolff while a sure process is a slow one consequently if the modifying and beneficial changes which are produced by the production of physiological scolours can be acceptuated at its was to do so As has already been posted out however it is impossible to mak latted pressure and behavior that the sure of the deformed in which pressure with country pressure out the opposition and of the thorax will tend to reverse the defor

mittee custing

The author begins his paper by citing the hy
pothesis in which this tra tment is hased and by
recting the twelve postulates upo which its practical application is founded

Prince II L. The Treatment of Scalinals by the Abbott Method I im Orla ts: Phila 9 4 June By Surg Gyuce & Obst.

Varying reports of success with the Abbott picket are made. The reports noticate a possibility in improvement in the report of the varying success with which the treatment is employed depends upon the mastery if its technique bulke ample in theory is very complex in practice and it is difficult in apply a jacket which will guest force only in the desired direction.

A properly applied jacket needs very little padding. The less padding used the less inh deformity will be produced. It is important that the jackets abould give plenty of room in which the trunk may awing in its correction.

At the present time it is impossible to any morth as in the prosposits of any g in case or as in the length of time necessary for treatment. A better knowledge of the tutology of stolkens is necessary befure this can be done. There will probably be found several etiologies and it seems certain from our present knowledge of the occurrence and from our present knowledge of the occurrence and the probably be the control of the second of these anomalies befure permanent curves can be promused in certain cases.

The conclusions drawn are as follows this many moderate and some severe cases of scolous can be overcorrected and cured. The success will receive the mastery at exhaligure the cases the general condensation of the cases the general condensation to the cases the general condensation to the condensation of the cases the general condensation to the condensation of the cases the general condensation of the cases the general condensation of the cases the cases, but the percentage of such cases cannot be learned until more also now of the tellogery

Packard G B Recumbency in the Treatment of Pott's Disease im 1 Orik Su g xi 3 400 By Surg Gynec & Obst.

The fact that so many pitable deformatives are the result of Pott s disease shows that the value of the recumbency treatment needs to be emphanized still more. It is of most importance as those cases in which the domait verticals are involved because he re na account of the natural curve of the spine more weight comers in the bodies than no the articular processes when the pottent is upryalled to the growth of the child while on the internal and the provided of the third while on the internal and the provided for the provided of the cases which are complicated by partipleta. Every it lety to be checked. It is the only efficient method for the cases which are complicated by partipleta. Everyt it cases of paralysis it is not as successful for adults as for children confinement is trikiome and there is thir fear of deformit.

W A CLIEN.

263

Ryerson E.W Pott a Disease Albee a Bone-Graft ing Operation Results in a Series of Twenty Siz Cases I Am Orth At Phila 1914 June By Surg Gyner, & Obst.

Of the ply us unselected cases appeared upon from su months in two and one-half year ago teachy-one are apparently seell and do not require apparatus. None af the twonty-ave ass apparently and all sert improved. Three cases suppussed and all sert improved. Three cases suppussed and unest the graft had in he removed. In an other a portion of the tup became necroit; this was a case where scarler feter dere loped on the sessanth day with a straptorecess infection occurring in the back and leg in the next the

In this operation the grafts are sewed in under considerable tension with bichloride paradin sult, and in most cases some correction of the defarm ty is obtained. The author believes this uperation is a valuable addition in the treatment of spinal tuberrulous.

Ryerson E. W. The Transplantation of Bone in Pott a Disease S g Grace & Ohst 19 4 xm 578 By Surg Gynec & Obst.

The author reports the exhibition of threese operated eases at the Ch cago Surpical Society a meeting. Two of the cases had been operated upon more than two years hefmer All of the cases show improvement and many of them are apparently conserved.

Ryerson upresses great satisfaction with the operation which he has performed in twenty-eight

ca es lle considers the Hibbs operation equally sound in penciple but has had no personal especione with it

Henderson M. S. Bifurcation of the Transverse Process of the Fifth Lumbar Vertebra. J. Iso Orth Art. Ph. L. 194 J. J. By Surg. Cynec. & Otal.

Henderson states bir fly that abnormalities are most apt to occur in the set birs where a change is noted from one type in armither e.g. the secenth cervical terrebra may have a rel and the fest hard it may have dward characteristies. The choogsite and blutcation of the fifth lumins it massives process a nover the thomest of the cottal element such

as occurs in the asctal scrieber to lore the trails if may noder certal took if give the distancement of the scrieber a tell call x and in some less cases paralysis.

Within the lat 1 no years in the Major patients with histories received the fifth luminar world to have been observed that we have been observed that we have been observed that we are made and luminary better size to three gave symptoms which mad like the condition in present. The remains a fit case is not discovered acceleration in the product of the conditions. In a list gave that conditions a final list gave that conditions a final list gave that conditions a final list gave that the conditions a final list gave that the conditions are not the conditions and in the conditions are not the conditions and the conditions are not conditions and the conditions are not conditions are not conditions are not conditions and the conditions are not conditions and the conditions are not conditions are

SURGERY OF THE NURSOUS SYSTEM

Wahl II R Neurobla tomatat with a study of a Lase illustrating the Three Types That Arise from the Symputheth System J Med E rd 19 4 22 No 2 pst

By Surg Gynec & Obst.

The author a case and his sludy of the literature has led him to the following summary and con

classors in regard to this class of tumors He belie es that nerse tresu may give use to ness prouths which are properly called neuroblas tomats Th , may occur in any part of the nervous system and are of two types accords g as they are composed chiefly of differentiated of un lift rentiated elements The neurocytoria is il und flerentiated tabe arising a the cerebrospinal peryous system The correspond g type I rived from the smpa thetic system th malignant it urol is tom of the aymnothetic pervous system or the sympa th ma mer nat The ganglioneuroma and the hinmail a tumor reprisent the diff rentiated serve growth the latt r taking the negt all in the sympathetic pervous syst to the lorner atting also in the eerelicuspinal rerson) i m neut tlastamata especially al the un I fi re t ated type armse n th sympathetic rersn syst m Most al the peuroblast mata of the d & rentrated t ab matere I mmature cel le t) je nt

type not 1 Mb matter 1 matter two tends to the other for 1 million received as wealth precion as in a or the other for 1 million received as wealth present 10 frematured resents or 1 but less freque the 1 the 1 ferrefusted received it was been as the matter of the mat

Though the revive tumors of the sympathetic with in tight a neural himself and it factor accurred in the value tumors—pix we may be for the forces por unor leaks to 1 month logs the received properties of the state of the same of the same most of the man better than the same most of the man better than the same most of the board is a first the man better than the same most of t

cells peripheral glad rells and chromating of the approphera by our The bitustate of the propheral system to one another in the propheral system is not an another in the propheral system and any one type occur by the octation land any one type occur by the octation land any one type occur by the octation land on the propheral of the portions each composed of a different formed formers, and that into all the real home and by the author attumor comes many all three choices. In the participating in the growth through the propheral system is the propheral system. The propheral system is the propheral system in the propheral system in the propheral system.

The malign at me real internata (the sire ailly a constraint of the six at the six and six at the s

Hein h Direct Tran plant than of horses have Muscles the drekt it p amont der have dra ht his to the first and had By Jean Bild gen that a thereof.

The ther is my edit letermine expenses a I whethe wa pumille to restore the | x et | par I and m wie by the damat trample 1 3 11 pers into he music ut t ere It rees" the thigh of a 12 thrain of t tul or ting bloom to the term peropest o th g De fir at mula not lb " " 1 41 3 6 3 is the the high and ght or th tiera Ethe ER DX P er ed hince with your

weeks the contractions could not be distinguished in force or extent from normal and not only the muscle loto which the nerve was transplanted con trected but the neighboring muscles of the flexor group Even rousries that had been deprived of their nerves for 21 days could be restored to activity by the transplantation of a normal nerve Warnz

If nriksen P B New Experiments in Nerve-Regeneration (N) und mokelser ov nerveregener tion Aerk mg f Lageridensk 9 3 June By Zentralbi f d ges Chur u Grenngeh

After nerve-suture sensory conduction begins again very soon even at a time when new formed sxis cylinders cannot yet be demonstrated in the pempheral part of the cut nerve. In Reckling hausen's disease there is nualtered conductivity in the nerves although the nerve tracts throughout are interrupted by numerous tumors and in places the ordinary p cture with roarked differentiation of medullary sheath and axis cylinders is replaced by a mass of cells that are only slightly differentiated On the peripheral side of the tumors there are normal nerve fibers where according to Wallers law we should expect to find degenerated nerve fihers

This histological picture is also very similar in the two rlasses of cases After cotting the nerve the

nucles of the neurolemma problerate in the central and peripheral stumps They become surrounded with protoplasm that extends outward in long threads Through continuous division of the nuclei the threads increase in number as well as length so that they form bundles inside the old Schwann's sheath and compress the meduliary sheath and the axis cylinder These bundles of fibers are most abundant in the central stamp but they exist also in the peripheral one They project from the rut surface of both nerve ends as a gelotinous mass. In the protoplasm threads medullary sheath and axis cylinder are differentiated while for each nucleus a segment of nerve is formed that may be regarded as a single cell The author shows how this differentia tion is brought out in preparations stained with hematoxylin Van Gieson's furhsin, pirrir acid ond Weigert's medullary sheath stain. In Reckling hausen's disease the nuclei of the neurilemma problerate also and become surrounded with protoplasm that fills the old Schwann's sheath But here there is no differentiation of the new formed tissue It problerates further and forms tumors. In both cases the continuance of the nerve condition is explained by the fact that the new-growths are of pervous origin with their point of origin in the nuclei of the neunlemma ASBJ NILESEY

DISCASES AND SURGERY OF THE SKIN FASCIA APPENDAGES

Ionge II The Present Status of Lupus Treat ment (De gege wart ge Stand der L pusthera-p) D et ! Freiburg ots By Zentralb! ! d. ges Chur n Grenzgeh

The treatment co sisting of scarification aco puncture and excochleation has the ad antages of short duration cheapness and relati e certai ty in small closed cases of lupus Diath rmis is indicated in small superficial areas where there is less quest on of cosmetic effect than of rapid recovery Puncture with the gal anocautery a easly dine and in may eases is ad in geous. The advantages and disad ntages f different methods of treatment are given Laperially since the introduction of the I usen treatm at a large number of cures have been affected at the Freiburg rl nic which f outweigh its slight isadvantages Exterpation s preferred in not ery extensit cases of lupus on the trunk and th extremities

Muschter 3 Results of Combined Treatment for I upu (ther D acrefolge bei kombinerte L pustherapae) Di cristie H lile 9 3 a
By Zentralbi f d ges Chir u Grenzgeb

O account of the general nadequacy of the reults of individual methods of treatment a combina tion trestm t has recently been used proposed by Doutrelpont and Grou en and good results have been obtained The combination most freque tly used is as follows Excochleation cauterization with Paquelin cauter) injection of tuberculin

bichlon le compresses pyrogathe acid and rontgen

treatment Tuberculin treatment is given first combined with bichloride compresses for a few days lollowed by excochleation and cautenzation The latter is necessary to close the lymph and blood vessels and hunder a scattering of the tubercle bacill. The excepheated surface is treated with bichloride rom presses until the scar is discharged. The further destruction of the remoining tubercular tissue is accomplished by pyrogaliol sal e to per cent until healthy granulations appear Pyrogaliol salve and bichloride compresses should be alternated While the pyrogallol and bichloride is being used rontgen treatment may also he given Of the 32 lupus cases the histories of which are given 5 were treated by excusion and remained free from recurrence. The rest were go en the comb ned treatment 23 of them recovered without recurrence in three there was recurrence and in one case there was ma ked improvement FRITZ LOE

Salomon The Treatment of Ulcer of the Leg with Pittylen (Die B handlung de Ulcera cruri m t Pittylen) Allg med Zeni al Zeni 1914 braun 91 By Zentralbl. L. d. ges. Chir 1 Grenzgeb.

Pitty len is warmly recommended in the treatment of inflamed varicose veins and ulcers of the leg. In milamed aricose veins without ulceration the in flamed part is thickly ameared with pittylen zinc oil (nuttylen 10 o zinc oxide 30 o olive oil to 1000) and bound with gause Following the application the itching stops immediately and the inflammation soon subsidirs. Ulcers are treated with pittylen soil e (nttylen 10 zinc oxide 20 hismath submitrate so Ungt lenient Ungt simpl as rooj and the area around the ulcer thickly smeared with pittylen oil. This treatment is found very sooting to the patient and lends to a relatively early clean any and healing of the ulcer.

MISCELLANEOUS

CLINICAL ENTITIES - TUMORS, ULCERS

Murphy J B: Factors of Resistance to Heteroplastic Tissue-Grafting Studies in Tissue opecificity J Exp Med 1014 aux 513 By Surg Gyace & Obst.

Prevous observations have teaded to show can cluwyely that useum cannot be transplanted from one species to another even though these be elosely related. Two theories have been brought forward to explain this failurat in heteroplastic grafting. The two schools are still at vars ace and neither has been able to produce evidence conclusive, enough to

conviace the other

The first and most prominent theory is that of Ehtlich termed athrepus The experimental foundation for this hypothesis is the so-called aig muce It was observed that a mouse tumor when grafted toto a rat oc rice serse would survive and proliferate for six to eight d 35 but would fater fail rapidly and be absorbe! If however the mouse tumor was removed during the problemating stage and remoculated into a mouse it continued to grow actively After a period of sia or eight days active growth in the mouse it could again be grafted iato a rat This mgzag grafting could be carried on indefinitely with an apparent flect on the tumor tissue or ia lessening the activity of its growth. The interpretation suggested by Lhruch is that each species provides its tissu's with a specific food ubstance which is necessary for its ma ptenance and growth The temporary survi al of the mouse tissue in the cat is d e to the amount of this specific food carried over with the graft. When this is exhausted the graft dire unless returned to its native pecies where it will accumulate a fresh supply of the specifi food and again be able to The ch f opponent f the theory is Bashford

The ch opponent its velocity is passioned who reish a boject in on the fungs in an experiment in which rais we re inoculated a second time and the second time and the second time allowing containing as equal mount of the hypothetical food substance would survive only two to three dy sa From this is be a chidden that there is an active immunity developed again a the cancer cell in a foreign protect. The time of survival of the first graft he co siders the time eventually the contract of the

Bashford claims that the immunity to homopla us grafting is an entirely different process and that it depends entirely on the blood vessel and stroma in actions. The menta of the two theories are not discussed in this article but are quoted by the sathor to give an idea of the persect views on the sub-

ert.

In a previous communication it was pointed edithal the avan embryo has no defensive mechanism existent the growth of tissues of a foreign section. The tissue of a set foreign terms are the tissue of a set foreign terms are to the property of the property of the section of the

Since it was found possible to graft vanous additions the embry of the experiment as it peated by the author as sow. In the first tent, comprust g to experiments and over 150 embryos, grafts of ret sarcooms and bits of adult chalcen uses were plact used by such on the outer membras of seven-day chief, embryos according to be method described. The adult chalcen used to extend the content of the

tion

The author thes seemed to have d monatased that the chi is embryonic or surface continuate tembryonic or adult of the same species or a foregone. The chi k is about the time of hatching or velops a del a ne mechanism argamis the interest of reign species. This resistives for the state of reign species. This resistives for the surface of the state of foregone the state of the stat

Goljanitzky J Experiments in Transplantation of Tissues Scained during Life (Ube Versuche von Tran plantationen an intravital gef hien Tieren) Hed Ober 1914 kund 45 By Zentralbl f d ges Chir u f Grenzgeb

The author stained the tusues in hving mice and rats by the intravenous injection of a 5 per cent carmine solution and then transplanted the skin and fascia. After the transplantation intravenous injections of 1 per cent trypan blue and 1 per cent isamin blue were given and after that the transplanted pieces were removed at different intervals of time for microscopical examination

In autoplastic transplantation of skin a large part of the epithelium and connective tissue was destroyed but the necrosis was only a partial one The beginning of the necrosis was shown in the connective tissue cells by a flowing together of the granules of protoplasm that had been colored carmine The diffusion of the protoplasm granules observed in the first few days returned to normal later Even in the later stages there was no change in the cell nucleus. In autoplastic transplantations macrophages were seen only at the edges of the transplant and in the later stages while in the earlier stages polynuclests predominate In homoplastic transplantation of the skin the picture is similar for the first few days but total necrosus finally takes place In homoplastic transplantation of fascia the author did not observe necrosis The intravital method of sta ning makes it possible to demonstrate beginning necrosis earlier than can otherwise he done and before destruction of the cell nucleus V Santtre hemns

Carrel A The Transplantation of Organs Viel b C ≈ g 4 x u 460 By Surg Gynec & Obst.

During the fast few years it has been definitely established that autoplastic transplantations of o gans are practically always successful that homo plastic transplant tions although immediate results may be excellent are nearly always ultimately unsuccessful, and thet heteroplastic transplantations are always unsuccessful. Homoplastic grafts alone would he of use but helore being pract cable they must be rendered as sale as autoplastic transplanta-tions. As to the cause of these phenomena nothing is definitely known. It seems that the absorption is due to the power of the organism to eliminate foreign tissue. This is attributed to the spleen or bone marrow When the action of these organs is less active foreign tissue can develop rapidly after at has been graited

The surgical side of the transplantation of organs is now completed as the results are e cellent from an anttomical standpoint. As yet these methods ca not he pphed to human surgery lo the reason that homoplastic transplantations are almost al ways u uccessful from the standpoint of the func-tion g of the organs Efforts must now be made t ward the biological methods which will prevent

the reaction of the organism against foreign tissue and allow of the adapting of homoplastic graits to their bosts EDWARD L. CORVELL

Beckman E H Complications Following Surgical Operations S rt Ganes & Ob t or4 XVI By Surg Gynec & Obst

Complications in a series of 6,825 hospital cases are reported from the Mayo Chine for the year 1913 All of these patients hed major surgical operations None of them were fatal the deaths heing reported elsewhere There were ray infections or a percent age of ory for the senes Bactenological investiga tion was made from wounds in all infected cases There five cases in which the wound discherged a serum or seropurulent material showed no growth in cultures taken All cases that showed any dis charge whatever in the wound were considered as injected. Pulmonary complications are divided into acute congestion pleurisy bronchitis broncho pocumonia and lobel pneumonia. The total num ber of pulmonary complications in the series was 87 or a percentage of ore for the entire series Ether was used as a general auxentetic novocalne as a local apesthetic There were 14 cases of thrombophle h tis of the femoral or suphenous veins six on the right and eight on the left side Most of them occurred in cases that were not infected. Acufe dilatation of the stomach occurred but three times It is helieved that early and systematic lavage has been responsible for the infrequency of this condition

SERA, VACCINES AND FERMENTS

Von Zubrzycki J R Studies of th Alelostsemin Reaction to Carcinoms and Pregnancy (Studies über die Mesostagminreaktion hei Carcinom und Schwangerschaft) A h f Gy at rors cu 152 By Zentralbl 1 d ges Gynäk n Geburtah a d Grenzgeb

The surface tension of the sera of pregnant women and patients with carcinoma was tested with an antigen of bnolese acid and ricinic acid which were dissolved in absolute alcohol The sera of normal non pregnant women reacted nega tively with a few exceptions and there was a posicarcinoma In syphilities with a positive Wassermann there was not a single positive meiostagmin reaction The practical nihity of the react on it hunted because of the fact that many tubercular patients and those with a number of other diseases may react positively

Hitchena A. P : Current Developments and Probchena A. P : Gurreut Jerus II I off lema in Vaccine Therapy I terst II J off By Surg Gypec & Obst

It is the purpose of the author to show that the huntations which at present characterize the treat ment of infections by vaccines are not permanent and that further investigations will result in a w de

extension of their field of usefulness One of the phases of work which is in need of further development is the preparation of vaccines To produce a more efficient vaccine an effort abould be made (t) to obtain a purer antigen (s) to obtain a vaccine which will cause a minimum of loral und general reaction (3) to obtain a vaccine which will render the aubject immune within the shortest possible space of time (4) to obtain an antigen in a state more readily available when brought suto contact with the tissues.

It has been found that the peptone in the culture media ou which bacteria ore grown will nuder proper conditions cause anaphylactic shock. This would suggest that bucteria be grown on peptone free culture media or u second way of obtuining them peptone-free would be to use washed bacteria Rowland has made a highly efficient vaccine by u mg the entracted nucleoproteins from hacteria Tiberts obtained good results from the anthrax

nucleoprotem.

Raseuow has shown that when bacteria ure suspended in saline solution the latter becomes very toxic as a result of autolysia. In the case of the pneureococcus he has abown that the toulc nutelysate is not necessary for the production of im monity This confirms \ungha statement that the posonous part has no relation to the untibodies which make the system refractory to disease Youghn a split products are used to the hone that the poisonous portion of the protein molicule may be eliminated thus making it possible to give the antigen in much larger doses without fear of a negative phase

Hacterial anticens used in the complement fixation test may provo efficient as vaccioes, al though this is not necessarily the case as they are

chemically related to the hould

Hirschfelder has prepared a vaccine by the partial digestion of the bacteria and has obtained ood results ulthough his reaction are very severe good results utmough in the perhaps the administration of some other non specific aubstance causing so profound a reaction might give the same resulta

I ostered by the French schools suterest in seasitized vaccines is apparently increasing. This method consists of muxing un immune serum with a vaccor or as in diphtheriu u mixing of toxin uod antitoxin this is supposed to produce both u passive und an ctive mmunity this immunity however does not last long Recently living sensitized vaccines h ve been used for immunization agrupt diseases auch as typhoid Asiatic cholera etc There 1 however here a possibility of cau ing rners It is claimed that sensitized vaccines are likely to be more prompt in their effect und that the negat ve phase is much bort

It would seere from recent atudies that in order in cure u discuse all that is necessary is to inject a vaccine which produces untibodies which destroy the bacteria. This a true up to the point of the production of the untillodies but the bacteria reach ing the tis ues ure uble to resist the ction of normal unt bacteriul substunces This a

complished by chemical (toxine) and physical means Antitoxins overcome the chemical bar RICTS

The most promising field of study for laboratory men und others ut present is the relation of the infeeting bacteriu to the blood and lymph aupply sad how to bring the untshoches formed into contact with the folecting bacteria. The question of vaccine therapy ta now one of Hydraulics suggests that when the content of the blood in autibodies is the greatest some drug should be given to cause u local active hyperemia in the region affected ELGENE CATE

Burnham A. C.: Vucciou and Serum Therapy he Septicemia A Seg Phila, to 4 hx 65 By Surg Cysec & Obck

The paper is based on the study of the record of one hundred and eleven consecutive cases of severe infection entering the Presbyteman Hospital New York City during the years of 1905 1913 The cases were treated by many different methods. The utudy of cases was especially directed toward the eletermination of the effeacy of vaccine and serum therapy The author a conclusions are as follows

2 Septiciemia with true bacterimia is a disease of great severity and of exceedingly high mortality but except in the type associated with miligrant endocarditis and in term nal infections, many cases

are amenable to treatment

2 Vaccines are of benefit in ma y of the cases not overwhelmed at the onset by the seventy of the infection and climically seem t benefit the major sty of the cases.

3 Actustreptococcic serum is of great value especially during the early at ge when its bacters cidal powers are most pronounced and I given in unfficient dosage during the period of invesion will oltau chauge u systemie hecterama sotu a localized folection

4 The combinution of a t streptococcic serem used I the early stage of septicamia, together with autogenous vaccines, used as soon as they can be prepared from blood cultures seems to be parties a ly benefinal If the blood cultures are stenie vaccines may he prepared from the local lesson ulthough this method is usatisfactory and may ked to errore Stock vaccines are still less desurable

5 Neithe sera nor vaccines libough they usually do I ttle harm are free from danger andthe dosage und periods abould be earefully orked out 6 Open air treatment in cases in which cultures re aterile and as an adjunct to vaccoc and serus th rap seems to be the best method of increasing BA MY BROOKS the resistance of the patient

Weil R Bludtes in Anaphyla is u Study of the Cellular Theory of th Graphic Method J Med R search 4 as No. 87, By Surg Cynec & Obst

I this at udy of anaphylanis the unther endeavors t determ ne whether reaction occurs within the cells of the body as is behaved by some or in the fluids as is claimed by other observers. To clear up these disputed points he has carried out a long senes of experiments and in the beginning he points out the fact that guinea pigs which have been in jected with the serum of a rabbit immunized against a foreign proteid become hypersensitive to that protesd In previous experiments by Dale it has been shown that the uterus of a gumea pig which has been passively sensitized by this device making use of the serum taken from an immunized guinea pig presents exactly the same anaphylactic reaction as does that of an actively sensitized an mal

From his study the author reaches the following

conclus ons

1 The uterus of a hypersensitive guinea pig resoonds in a characteristic manner upon the add tion of the antigen (Schultz Dale)

2 The presence of immune bodies in the blood of the guinea pig whether in small or in large amounts does not lead to the slightest response upon the saids tion of antigen to the uterine preparation

2 Desensitization of the living gu nea p g after acts e sensitization leads to impairment of the power of response by the uterino muscle If desensi tization is complete the uterus is is entirely to react upon the addition of the antigen if incomplete the uterine contraction is correspond gly enfeebled and sluggish

The uterus removed from an actively sense tized guines pig which has been killed in anaphylactic shock may either is I to respond or may give & somewhat impaired response. From this observation the conclusion is drawn that a sensitive animal may be killed by an amount of antigen considerably less than would be required to saturate the anti-

body content of the animal

In passively sensitized guinea pigs it is shown that the dose of immune serum sufficient to prepare the guinea pig for a fatal a phylactic shock induces a utenne condition in which the addition of antigen leads to a typical response Smaller amounts which so vito prepare the guinea pig for a moderate reaction give as an onalogous result a proportion

ally diminished response to the uterme preparation 6 Desensitization of the passiv ly sensitized guinea pig depri es the uterus of it power of re

7 The gradual and spontaneous loss of sense tiveness by the passi ely prepared guines mg is accompanied pa pass by a loss on the part of the utems of its capacity to respond to the antigen

This loss precedes the development of an o ephylactic condition toward the heterologous (rahbit) mmune serum emplo ed exactly as n the

hvi ga mal These data lead to the following generaliza tions () The anaphylactic condition is ent rely dependent upon the sens turation of the cells of the body () All conditions which in any way fluence the degree of sensiti ess of the cells in the same degree alter the anaphylactic state or sensiti eness

of the animal (3) The presence of immune bodies in the blood whether in small or in large amounts does not in the slightest degree contribute toward the production of the anaphylactic response in the GROBOR E BULLEY Euinea Dig

HOOD

Hill L. W Report on Leucocytic Inclusion Bodies. Bast M & S g J 1914 clvr 79 By Surg Gynec & Obst.

The author has investigated a series of cases at the Boston City and Massachusetts General Hos mtals with a view of ascertaining the relation between Doble a leucocytic inclusion bodies and

several other diseases The discoverer of these bodies originally con asdered them to be fragments of a disintegrated annocheta aupposed to be the cause of scarlet fever This theory has been discredited by subsequent investigators and by many they are con sidered to be merely fragments of disintegrated

nucles by others to be bruken-down tissue fregments which have been sogested by the leucocytes One hundred specimens of blood were examined by the author from patients suffering from scarlet fever erysipelas pneumonia syphilis, empyema secondary anamia and serum rash including blood

from thirteen normal individuals

The majority of the cases of scarlet fever erysipelas and pneumoma showed inclusion bodies while none of the others showed them. The author armes at the conclusion that these bodies are composed of nuclear material the disintegration in all probability being due to toxins of the strentococcus. TAR II SKILES

Schattauer F Treatment of Internal Hemorrhaga (Z Therapie innerer Bl tunge) F e rai

By Zentralbi f d. ges Gynik a Geburtsh. s d. Grenzgeh

Almost all the preparations which are used for the treatment of internal hamorrhege hydrastimine styption and ergot depend on their property of having a vasotonic effect on the musculature of the vessels But the contraction of the vessels is produced, not o ly in the bleeding region but on all the blood yearels and this causes an unpleasant rise in blood pressure. Gelatioe and astringents have been given to increase the coagulability of the blood

A new preparetion that produces hamostasis and set avoids a rise in blood pressure is styptage It consuts chiefly of tennic potassium chlorate and ca ses cha ges in the colloids it also inhih to the formation of transudates and evudat s. Schutt auer has treated a case of bleed ng nicer of the rectum and cases of endometritis and post abortion hamorrhage with typtase. The preparation is to he recommended in hemorrhage of the uterus except for puerperal hemorrhages in which the purely mechanical effect of the utenne musculature

is defective. To puerperal hamorrhage it series as an auxiliary to ergot treatment. Beere

Cumston C. G The Technique of Comparative Hypersemia. Ann Su g Fh 1 10 4 t v 640 By Surg Gynee. & Obst.

The author describes in destil a method of apply cation of Moukowite a sign. The essentifs a of the correct method of applying the test are the securing of a complete anaemie of the diseased estimatily and its must the sudden simultaneous release of the constincting bank is and earful observation of the naves of hyperamia in a good I ght. Thy vectors are strengther to the compared are first empired of blood by being hid in an unpular position or if this is probed to sudden the bandage applied so as to frue the blood toward the bandage applied so as to frue the blood toward the edby a flat infinite hand for a period of V as a time musta. Tellowing the release of the constricting bunds the two extremities are observed eartfully and the rapidity intensity of color and supprise points of the hyperamia naves are noted.

The author discusses briefly the variations seco in practice and concludes that the disgnostic value of the test should be limited to ease of gangerie due to vascular occlusion in which cases the test is the surest guide to the proper a te of amputation which should be door quite a little above the lower.

limit of the hypersemie zone

De Tarnowak; G Personal Experiences with Congutène-Kacher Foulo. S & Gy et & Ohn 0 4 m 61! By 5 rg Gyace & Obst

BAS EY BEDORS

Coguletee as a preparation obtained through incidenal centraligation of memmission blood incidenal centraligation of memmission blood other cell elements. It as used locally or intra-ee outly in a 5 or 10 per cent aqueous solution Irrahly sterilized. Its action as to accelerate the intensity the normal cogulation; time of the private should be a compared operations in the course of suspects operations of the compared operation of personnel of the compared operation of personnel of the compared operation of personnel operation of personnel operation of personnel operation of personnel operations of the compared operation of personnel operation of personnel operation of personnel operations of the compared operation of personnel operations of the compared operation of personnel operations of the compared operation of the compared operation of the compared operation of the compared operations of the contraling the efficiency to homophilia and gasteroduodesal hemorrh gets, in the personnel operation of the personnel operations and an purpura head of the compared operations and an purpura head of the compared operations and an purpura head of the compared operations and an appropriation of the compared operations and an appropriation of the compared operations are considered on the compared operation of the compared operations are considered on the compared operation of the compared operations and the compared operation of the compared operations and the compared operation of the compared operation operation of the compared operation of the compared operation of the compared operation of the compared operation of the co

In give, and the description of the description of

activity The dry preparation retains us acrail activity for several months By means of as ordinary syringe a few drops of the solution as dropped on bleeding surfaces and allowed to remain a still. For rotras erooss use the ordinary apparatused in normal salue fullections suffices.

Liwanoff A W : Th Biological and Surgical Significance of Thrombokinase (Die biologiche und chirarpuche Bedeut ag der Thrombokinase) I sie no-med J 1917 centrum 20 By Zentralbi f d ges Chir a i Geraph

From a study of the congulation of the blood and the role that thrombolumae plays in two liers perture possibilities or disclosed. By the advances of the constraint of thrombolumae is a deficient congulability of the conformation of thrombolumae is a deficient congulability of the conformation of the conf

mata
The author describes the method of obtaining thrombokusase in use at Von Oppels chuse, and gives some case hunones illustrating the significance of large harmatomata in the formation of dutate thrombows and infarris. Large hermatomata thould be opened freed of blood clost, and turn beginned to the control of the co

Araberg, Jr. S. Fat Embolism in Fractures, with Special Reference to the Early Symptoms (Uber I ttembole bei Fraktures mat beondern Berück ichtigung de Fraktures mat beondern R. reference to a travial of

R which is it know, of the through the uthor describes two cases of fat emboluative fractures with severe as imptones one of which recovered alter ligation of the thorace dut by Wilars method the other without any treatm at

The author discusses the question of abetier early disgrosses and prognous are possible Of II unpublished cases 15 ended I tally 7 of them within the first 2 hours in all of the lute there was a fracture of the pelvis

The sudders of the privine planned by the fact the rest of the part of the par

BLOOD AND LYMPH VESSELS

Horsley J S: Surgical Repair of Blood Vessels
Its Technique Its Uses and Limitationa
S g G) ee b Ob 1 9 4 wu, 536
By Surg Gynec & Obst

The author helieves that secontonal are apaper studes here done blood tessel surgery much harm Even in animals no organs such as the kidney and no limbs have been transplanted with permanent success. A transplanted limb continues paralyzed and useless and while a transplanted kidney may functionate for a while it gradually loses in a single time. Moreover, the surgest of the control of the transplanted with the control of the control of the maintaint growths the timelier the blood vessels (a) arecums and (a) transferance of blood

In auturing vessels, Horsley claims that the same principle of approximating endothelium obtains as in auturing intestines—only the endothelium is on the inside of the vessel So in auturing versels a flange must be turned out just as in auturing intesting.

tines it must be turned in

He decrubes his technique for vessel sutnang asfollows. Three prysutures are mearted and attached to buttons on an arterial suture staff of his design. The threaded ends of the last two gry sutures are not cut but are used as a double mattress or cobbler a stuch. The suture staff converts the circum ferrorc of the vessel myo a trisogle and the vessel is the companies. The superior of the third flast at the companies of the superior of the convertible of the same transon material of under varying tension as when the sutures are held by hand and a flange with evertical intums is turned out the unitum being accurately approximated by the obbler's stitch

Moure P Study of Transplants don of Blood Vessels and Particutarly in Application in Surgery to the Reestablishment of the Continuity of Blood vessels and Musculement Brancu Channels (Ende des grefes sediment of particulations of anypulse of physical conditions of the Posterior Continuity of the Con

This thes a coust tutes the first general review of the subject in France In each of the chapters the author review at the facts previously known and adds his on esperimental results and the climeal

results obtained in human surgery. The technical part in es in deta I the operative technique, which is so delicat, that the slightest violation of asepvis

may result in complete failura

After have g rovered the work of Hoppfiner Carrel and Guthne Goy snoes, Leer an and Delbet the ulton recall the facts that a blood vessel completely solated from the neighboring part by acretic d undation of its walls, cost times to have the completely solated from the body preserva their votable of the control of the control of the contral by for substitution of the control of the that transplanted vessels adapt themsel as to there we surround up at they re sufficiently irritated

and nourshed In this connection he tried transplantation of the omental vessels but unfortunately numerous experiments on dogs were negative the omental artery was rapidly transformed into a small fibrous cort

He believes that some beteroplastic grafts may gae better results than those with vessels preserved too long if the grafts are taken from those animals whose serum is the least toxic for man. He admits that the heteroplastic graft tends to he progressively obliderated but says that it remains permeable long enough for the pecessary collateral circulation to he established Antoplastic transplantation of arteries is impossible and the results with arteries that have been kept some time uncertain therefore he believes that the best method is the transplantation of sections of veins external jugular or sappenous. He had perfect results in 13 cases with dogs. Histological examination confirms the clinical results. If the operation has been strictly asentic there is no trace of inflammatory reaction the presence of a mass of leucocytes with grant-cells is due to an attenuated infection. The transplanted vein does not play the part of a simple conducting tube but byes independently and undergoes changes in structure which make it resemble an artery by hypertrophy of the middle elastic layer Heteroastic grafts are simply conducting tubes. Throm bous and hemorrhage are the two post-operati e complications most to be feared bot both may be

avoided by careful technique and rigorous ascepase. Transplantation of versels has been tried by times and succeeded 13 times in restablishing the continuity of an artery, once to restablish the continuity of a vein. Of these cases seven were aneutrins of the femous of repolitical strey with recovery in five cases and death in two once from gangrene and once after four months though the immediate result was assistanticity there were three other result was assistanticity there were three other result was assistant through the immediate result was statisfactory there were three other result was a result of the first two cases recovery in the third. In three cases the grait was made to replace a segment of the femoral rescetch in the course of operations for the femoral resected in the course of operations for the former one was failure the two others successes.

Doyen's case in which a segment of the popt teal was replaced by the jugular vein of a sheep was a success

Moure cancidates that transplantation of vessels though an exterior as absolutely indicated in certain cases. He describes a comber of cases in which blood vessel graits here been used to case in which blood vessel graits here been used to such as the ureter and the uneffort framework of the transplantation for the property of the p

without success Iran made a appressful attempt. to restore Stenson a duct by means of a vern eralt Page drained the cerebral ventricles to hydrocepha lus with a vein-graft Ruotte used a vein graft in assisted. An encome fele transplantation of the internal saphennue was utifized

This interesting work seems to show that vaccular transplantation though still relatively I mited in use finds its most natural indication in recitablish ing the continuity of arteries when ligation is im possible The other uses are interesting or carious but their doubtful or bad results make further experimental research necessary before apoly in them in human surgers Pirsas Caear

SURGICAL THERAPEUTICS

Watkins T J. Treatment of Infected Wounds I Am H A 1014 h 1101

Hr Sure Granc & Olma The abuse of wounds caused the author to write

this paper. If is treatment is as foll we

An injected abdominal wound is covered with w bot minst non limitating dressing of gauge The gauze is kept most with house acid or normal esh solution The dressing is covered by a protective layer of rubber thaue oriest paper or silk to present evaporation licet is sapple d by a hot water bag This tires ag is changed from one to three times larly depending on the amount and character of the d scharge. This treatment is continued until the redness induration active sunouration or sloughing leappear that is notif the wound automes a healthy appearance. The edges of the woun fate separated and then drawn together by sterile strips of adhesi e plaster and a dry dressing applied

butures are tarely removed except in metances to which they cut through the skin The nounds are not probed at separated no dramage material is Inected and no medication is used to exception is made in cases of intestigal fistular or abdominal

The mot ture is used solely to promote dramage It favors ilcrinage chiefly by preventing coagulaincreases the blood supply and he tens suppuration and has some of the features of the Bier treatment In extense e suppuration will drain through a very small opening if desiccation of the discharge is pire vented I example in a recrot cave of extensive supportion follows g an operation for a large ventral herms satisfactory drainage occurred through two small operange at the site of tension sotures

I osture is at time used to promote draining? Care is observed to avoid all procedures which would tend to I ssemmate the infection such as probing manipulation separation of the would of use ni rubber tubiog parking, irrigation and the life It has been known for a long t one that the use of antisept es injures the traspes more than t do. 1

bacteria Aside from the destructive power at antiseptics and the dangers of dissemination of the injections by impation solutions the force of the field reechanically removes some of the delease removative tuesue

Injection in cases of vaginal section mostly re aults following estensive operations especially when there is much ectention of wound secretions. Prophylactic treatment is important especially in regard to strict asepsus The author has abandoned much of the post-operative treatment. The limit ment of infection consists in elevating the head of the bed and applying hot moist dressings to the

The nationt is but little disturbed mentally or injured physically
2 The nounds heal quirkly as there is little

surface for repair

3. The strength of the wound is relatively not much impaired in the absence of much sloughing 4 The danger of secondary contaminates a

ELECTROLOGY

Cumberbatch E. P : The Influence of the X-Roys on bome Cases of Persistent Suppuration Lenera Lond told in mi type Gynes & Obt

The author reports four cases two of micetime Persotitis one of probable hygroma of the foreign ulsequently infected and one of tuberculous burntis (prepatellar) Other cases are still unfor treatment. The four cases showed chronic soft Puration small in amount and a superficial said Tays at longer atervals the second case received small applications at short loterval and the think and fourth cases received med um applications at intervals of medium length. The dosage was measured by babourand method. The support tion was stopped in all lour cases

In arresting the process of suppuration the \ rays d not act only if at all by destroying the progress of the \ rays upon cultures of bacteria the progenic b ves that the \ rave produce some local tasts reaction aga not the toyad ag organisms and at the same t me some general reaction. In many of the cases that ha been treated there has been considerable improvement in the general health of though in some of them the suppuration has not been D vio R. Boars

atrested

Bumm L. Further Experience with the Irradis-tion of Carcinomo (Notice Frishunges abs Carcinombestrahlung) Berl M. M. & 1819 1814 lt 193 Dy Zentraibl. I d ger Gynak Geburtsh d Grenzell

Bomm reports a a experience in the irradiation of & cases of carrinoma during a year and a half

There was local bealing in 3 to 5 weeks in the benning a chinell condition of frintiation was presented to 1 to 1 days. The local effect was wonderful and not comparable with that of the causery or existing a filter or the control of career trisset to be called the shade were affected first and most markedly because they belong to rapidly deedloping new growths and are young and tender but connective tissue and muscle lissue were also affected by latense action showing hydrod gearations and forming calliuses which in the neighborhood of cavities may cause structures perforations and fistule. These changes were observed in the surrounding tissues after air

The permanency of the recovery could only be determined from specimens obtained by operation or at autopsy. The findings us as such cases are described. In three of the cases there as re such anall remaints their they could only be seen microsopically and from which certainly no recurrence scopically and from which certainly no recurrence operating the security of the case of the case of a paction of the case o

3 % Cin

Among the rol cases only 40 of which acre operable there have been only 15 recurrences to stoper able cases recovered. This does not mean permanent recoveres for the time of observation has not yet been long enough. He warms against applying does of over 10 om gior a very long time for it a quie of filtr thou they produce burns on the surface and gree elymbic degeneration in the depths of the tissues also rapidly nereas ng sazmia and fever as high as 10 degree.

He describes h a technique and a ya th 1 g oper able cases of carnomas of the cerva were treated in the away without any sajury moreover there was local recovery of an anoperable carnomas with relative rays alone. A carnomas of the cervas was arraduated abdomnally only and there was an na doubted deep eff ct and sajury of carnomas cells at at dataset of g cm.

Cole L G Rontgenocinematography of the Stomach and Cap Am J R is al 9 4 By burg Gynec & Obst

The uho gives the history of attempts to produce rostigencomemotographs of the si ma hand describes in detail his owa appa attes for this method of ammation. He pois to ut that the city so-cilled ontgenocumentography was nething more than a serial rostigenography for only a more than a result on the control of the contr

The rongenoenematographic apparatu is de scribed in detad a dillustrated with several cuta It con is of a film hitig merha sm with a counter weight with h s mounted under a lead

lined table in a dark booth autable for perfect formoscopic examination. Above the mechanism and accured to the under surface of the table by sliding raish; as an ion frame which carries the exposed and unexposed films and an extra frame per muting the use of any of the standard cassette. With this appearatus the gastro perstalais may be seen fluorescopically and at any time by samply turning a crank serial rontgenograms or true disturbing the pattern. The made all without daturbing the pattern. The made all without daturbing the pattern. The matter all the standard case that serial rontgenography is of greater practical value in disgnosa and that mattenocumentography is only worth a bile from a scrutific standpoint.

UM A EVANS

Doderletn A and Yon Seuffert E r Further Experience with the Mesothorium Treatment of Carcinoma (U zere et zere Eriahrungen m t det Mesothonumbehandlung des Carcuoms) Mis

ch med II ch sch 1914 ls S By Zentralhi I d ges Gynak u Geburtah d Grenzgeb

In the past year about 180 cases have been treated in the clinic with the rays. There were many fail ares but some very significant successes. Among 153 cases of cancer of the uterus all subjective and objective symploms disappeared in 31 cases 12 among them being inoperable. The results were unfavorable in recurrences fn cancer of the rectum and breast the results were not so good as in cancera of the female genitalia Among the injunous by effects there were high and loag continued fever (absorption fever) and burniag and tenesmus in the rectum In four cases a rectovaginal fistula de eloped but it was uncertain whether it was libe result of the caacer or the treatment. There is as yet no terhalque that can be applied to all cases Filtration with brass covered with silver seems better than with lead NOS ER

The author discusses the deep effect of radioactive substances. He believes that where the soft γ rays are filtered out by the use of metals of this atomic weight the value of the nearness of the source of the rays has been overestimated as the deep effert. He cknowledges the therapeutic value of the sec and γ β rays produced by the filter as compared with the inactive γ rays (Birag a ribeory). He adon't that he overestimated the depth of the effect of econd γ randation it is at most γ conbut there is a hological effect to a depth of γ conout mass he formerly believed. The cell topin choline which is split off is taken up by the neighboring tissues and has an effect. Where there are sound layers covering the timber that must he spared routing treatment is to be preferred because there is danger of injuring this sound tissues by the secondary rays of radia active glustance. Tumors in which the radium can be finisediately attached aboud be treated with it. Michia at high atomic neight should be inserted between the timore and the state of the chapter routing rays for radio active substances by means of suatable sporarity and tubes

Longator

MILITARY AND NAVAL SURGERY

Meyer A. W Infection of Woundain War from Experience in the Balkan Warn 1912 1913 (D) Wundalekton in Ariege Nach Erfahrungen in den beiden Balks kengen 1912 bis 1913) Arie f H Ch 914 cm 1908 By Zentralbi i d ges Chir n i Grensgeb

Mayer an assutant of Wims, spent 12 months in the Bilgaran War His observations are of special value for he not only had appenence in the hospitals of Sofa Philippopel and Decleagates but also as an active multary physician at the front. If hebieves with Reyber that the infection of wounds is almost always primary. Injuries with the similarity bullet always primary. Injuries with the similarity bullet and the property of the property of the sound that opening made by the hullet the greater the opportunity for primary caternal hemorrhage a d for the discharge of the fluid from the wound and therefore the less danger function. The farger openings in the memograe plears pertipsion and points show a treatery to according

Bacteriological examination of the infectious was frequently made They were mused infections staphylococci and streptococci prevailing Ex amination could not be made for anisrobic bacteria Tetanus was comparatively rare but it was chiefly a secondary infection The primary infection takes place from the bactsmal content of the cloth ing As the infection is generally primary he does not think the package of dressings is of any very gre t value It is too small to thoroughly guard aga ast secondary infections IIs thinks the Ger man packet of dressings is as madequate as the Russian Every soldier must have two packets of dressi gs nue with two large thick pieces of gaute and snothe with two long calico bandages. He values the mastisol bandage, not f is bact needal sflect but on account of its adhering to the dressings. All large wounds that are accessible in accondary infects. he treats with bulsars of P ru In the trestm at of infections he believes in early free incision and does not belie that much an be ecomplished by suspension and stasis

In guashot fractures he believes in active to man II with good firstions the sectrons of paid does not stop an a few days, he makes a few speak and removes the detached fragments. This prevent troublesome fistular with repeated dashars of sequesters resection in continuity and amputation. His does not stated much value to rescrict in continuity. His thinds extrasion in gunbot fractures siven of the thank a tumorcessary. Fenerating the result of the second of t

The crystpelas infections were severe than are generally seen in crul his hus they were mostly due to sarelessness on the part of the staff life does not think thet proyecaness infection as so dangerow as a on Dettingen does. He beheves that size the beginning of testsmas were amputation as without result while prophylactic injections are successful tangential shots of the staff should be trephned but this patients abouted not the transported for nor three weeks. He treats about 1 its good that should be operated on if this external condutions are flavorable.

He points out this advantage of fixation of the patient on this stretcher and expresses the shi that physicians might be better instructed mite application of splints for fractures than they see at present. Fact.

Makkus M Experiences and Impressions in Nar Surgery (Knegschrungsche Erfahrungen bod Findrucke) De Ind. med Nich reb. 9, 2 kg. By Zentralbi I d. gas, Chr. u. Geength.

The author took, part in the campages as staff physician of the Greana rany. In the first part of the supedition he was in the first military hoperature here to the front them in a field hospital per back, of the benegang army at Jamas and there is min cary hospital at Philippass. Box Stondi. He discusses the organization of the Greek military medical service Hs can see no particular difficulty to the control of the Greek military medical service Hs can see no particular difficulty to the them to the them to the control of the Greek military medical service Hs can see no particular difficulty that the total requestly examined for the body. The number of infections he observed was slight to another of infections he observed was slight to the surgeon determined to the body.

He does not thank much of the packet of duraning a or few soldiers make use of r sol be thinks most infections are primary carned in with dri I roum the skin or but of garment. He gives a baref account of r fery sometho placereds he first war. He confirms Zoege von Mannenderscarps as in guisshot rejunces of the shall. He trained to the shall be a solution of the shall. He trained to the shall be a solution of the shall. He trained to the shall be a shall be a shall be a shall be the trained to the shall be a shall be a shall be a shall be the trained to the shall be a shall be a shall be a shall be a forced as many was not more thank of a p for cost.

COLMERS

Symposium Sanitary Report of the Imperial Symposium Sanitary Report of the Imperial States). For Section 1919 of the Internal States of Section 1919 of the Imperial Section 1919 of the Imperial Prussian Ministry of War (Sanitato next the fee Longhey in Bachusche) and dan in (hongheis puri historial dan in (hongheis puri historial section 1919). das in (konigheh wurtt mbergische) Armee korpa fur de Benehts-zeitraum m Oktober 1910 bis 3 Sept mbe 19 Ben b v d Medizinal libteilung des köntglich pre suschen Kriegaminist rium)
B rim M tiler & Son 9 3
By Zentralbi f d ge Chir it Grenageb

This exhaustive report of the health conditions in the German sumy contains much of interest to the surgeon because it deals with large numbers of cases observed by different surgeons in persons of about the asme age and living under the same con Because with soldiers it is pecessary to pass judgment as to their espacity for service and as to when they should be invalided it follows that not only the immediate results are given but that the cases are followed for a long time Of the cases reported 800 are luxations 4,443 fractures 303 gunahot wnunds 112 operations on the ear includ ing opening of brain abscesses and ligations of the jugular 74 operations for empyema 7 laparotomes r 137 operations for appendicitis 616 operations for hernia 4 rescetions 21 exarticulations 27 amputa tions ar strumectomics 7 nephrectim es 32 cases of opening of perinephritie abscess 47 operations for tumors and 701 other major operations

Intestinal a clusion Three cases directly due to inflammation of the appendix and pentonenm are not considered Seven cases were operated on with one death two rendered capable of work the rest recovered but were unable to resume work 4 cases were ileu from strangulation. In three cases there was torsion of the colon and once obstruction t the flexure which was overcome by pulling on the flexure. The following were note

worthy cases t Meckel's diverticulum was the cause. The patient was a musketeer. A diagnos of intestinal torsion from an unknown cause w a made Six bours after the begi ming of sympt ma operation was performed first an oblique incision was made in the region of the execum and is go on utilies of a turbid watery fluid were discharged. There was kinking of the appendix which contained a fercal The append was removed As severel coils of small intest ne we e completely collapsed they were I llowed up Forty centimetere bove the cacum a looplike const icting b d wa found which proceeded from a loop of small intratine and e ded t the umbilious a part of the small intestine being cut if by it The cord was removed and proved to he a Meckel a diverticul m The di erticulum as far as the middle of it w a cavity lined with mucous membrane from there o twas a connective tissue cord liter closure of the abdominal wall. the patie t was capable f service

2 Another case of lieus caused by Meekel a diverticulum

3 A man was run over by a hay wagon Opera tion performed 26 hours later disclosed volvulus of the small intestine nn its aus. The volvulus was untwisted and the patient was able to return to

Cunthot wounds In all there were 393 cases of which 44 injuries with pointed bullets are of special interest 33 of them being suicides 3 attempts at smode and 8 socidents Of the smodes 23 were shots in the head 9 shots in the breast and one shot n the abdomen Although the shots were at close range in 8 cases the opening at which the bullet entered corresponded to the calther of the bullet and in one skull shot the exit was smaller than the entrance Those cases are natewarthy in which whole sections of the brein were discharged through the wounds One case was a shot in the occiput one in the chin and some -the number is not given were shots in the mouth

The first case seems typical The shot entered 316 cm hehand the night car crushed the left half ni the head and lorced out the brain so that only the cerebellum remained There was extensive destrue tion of the skull A similar case was one in which the shot passed obliquely from the right posterior ly in the lelt antenorly and swept the eye nut of the Among the injunes with pointed bullets only the accident cases survived among these there was one shot in the head at 1,000 meters distance The shot passed through the skull and caused only a compound fracture of the frontal. Two cases were fractures of the thigh at 300 metere distance the rest were slight injuries of the soft parts

Among the 88 revolver and pistol shot wounds there were 48 deaths 43 of them suicide Tao cases are cited (i) A shot made an ablique aval opening in the right temporel. It passed from the left yivan assure toward the left antenor centrel con volution to the surface of the brain recoiled from the skull passed at almost a right angle downward and backward in the brein and stopped in the mid dle of the third left frontal gyrus (2) The ahnt entered the right temporal passed obliquely through both frontal lobes rebounded from the left parietal and was found in the left cerebral cortex Among se injunes with Teschings and Flobert's bullets there were a deaths One was a shot in the head in a suicide case the other an accidental shot in the breast The Tesching bullet penetreted the lungs the pencardium the left pulmonary artery the left auncle left pulmo s y vem and disrending sorta The wounds in the vessels and lung were irregular shis oz cm long One bundted and fifty-eight injuries with blank cartridges are reported. Of the 39 deaths 38 were suicides 21 were head injuries Is breast and I abdomen

The report hows clearly that the effect of blank cartridges at close range is termble. There was total destruction of face and skull and of parench; ms tous organs of the body cavities and extensive laceration of hollow organs such as the traches and resophegus and the gastro-intestinal canal Surgical operations were undertaken in some cases but they were nn successful in all but one. In this case there were only small openings in the atomach and duodenum The felt wad was at the root of the mesentery The man was able to re-enter service. The thoracle wound of a suicide was especially Interesting. The fourth and fifth costal cartilages were aphntered the lungs and perscardium were not injured but the latter was filled with blood because the right auricle was ruptured and the anterior cusp of the bicuspid valva torn away In the shots at close range there was an exit in only one case. In a blank cartridge shot at 10 cm distance there was a compound fracture of the forearm while in shots at over one half meter distance there were no severe injuries to the skull body cavities or soft parts. It is significant that among the numerous blank cartridge in juries there was not a single case of tetanua although prophylactic injertions for tetanus were given in only 18 cases This shows the salutary effect of the army regulation made in 1003 that the wadding of the cartridges should be aterilized with ateam before

being used Continuous of the abdoman Among so cases 16 of which were operated on there were 5 injuries of the intentions—three faint a cup ble of service 5 injuries of the pleen—o fatal t capable of service 5 injuries of the pleen—o fatal t capable of service 5 injuries of the pleen—of fatal t capable of service 5 injury of the resident of the capable of service 5 injury of the resident of the present of the

14 cases the cause was a kick by a horse one rupture f the apleed was caused by a fall o the corner of a atool and another by the patient catching his side arms in the apoles of a wheel and being thrown

to the ground

The follow g cases are of nevest r. A patient mover by a sagon was not operated upon at first. On the eleventh day laparetomy was performed two and one half laters of fixed from a half later of the other standard produced by the performed two services of the performed two performed to the performed the perfor

nn the right and a large cavity of the lobe of the liver opened which contained three fourths of r liter of humatioms fluid the opening communicated with the thoracie cavity through a fear in the du phragim. The patient recovered

2 The patient suffered from a lack in the agit kinder yeapon. On operation the upper pole file kinders was found almost completely reparated and there were several deep tears in the lowes one as the ladney vessels were ruptured. Nephrecomy as performed and a tear three cm long in the daplymar was satured. Death occurred after are days there bear gyraptoms of urernia. On sutings it was set being tymptoms of urernia. On sutings it was set tended only r cm from the bladder and ended it a bland pouch.

3 Another patient was injured by a lance that had made as opening 2 cm long in the duodenum. The opening was sutured Recovery followed

In spite of the very arvere degree of their injunes, 6 of the patie to were capable of reintening service

Podesta Military Marine Statistics of the Japanies San tary Service in the Russo-Japanies Wer Translation of the Japanies Sanitary Report (Marinelenthich testistiche Betrichtunges before) paniches Sanitathenta im rossets japanich an Artege hach dem Ubersetzungen des pusibuches Sanitatishen hier Veriff J & 68 d

mehen Samtátsben htes) Vereff j a Gel Marine-Samtatra o 4 viii, 3 By Zentralbi i d gra Chir u Grenzel

A historical a distatistical report is give showing that many died f om injunes from mines and many were wounded from abots on the one hand and les died from sh ta and few were injured from mines on the other The effect of the mines was de dly both qualitat vely and que titat vely of the shots on th contrary only quantit tively A troughble appliance with a double corve made from light papier mathé as recommended as a meana of transportation It is made in three sizes Hammocks are provided to prevent drowning. The author proposes that the haversacks he provided with the w terproof sill, or rubber covers in order to keep their contents dry and to add to the contents a fiannel garment package of dressings, and a sup ply of food In order t make it possible more easily and more frequently to save the firemen and others who are ends gered by the sudden collapse of mechine guas it necessary th t information of the threatened disaster he given early Zun Vinte

GYNECOLOGY

UTERUS

Jansen II: Uyoma and Carcinoma of the Body of th Uterus (Myom u d korpuscarcisom am Lieru) Me tiek f Geb risk u G3 2k 914 ux 207

By Zentralbl f d grs Gynak Geburtsh s d. Grenzgeh

The earlier idea that a careinoma may atise from a fibroma of the uterus has been proved false. The author believes from research by listschmann and Adler Iwase and Fronkl that myoma may influence the origio of carcinoma of the body of the uterus in the sense that my orna may produce changes in the endometrium that favor the development of car cinoma The myoma does not produce glandular hyperplasia of the mucous membrane which can be regarded as a prehimnary stage of carcinoma, as has often been assumed The hyperzemia of the endo metrium that always accompanies myoma is the essential point. It is the expression of a state of chronic irritation which with the add tion of other predispos ng aod thus far unknows causes fa ore the development of carenoma of the body of the uterus. The statistics from autopsy material are more important to the settling of this question than pathological anatomical to est gations

In the course of #5 pears (1895 tota) at Melloo a Sanntamus these 450 cases of mo moan of the uterus 360 of which were coperated on and 13 of which were coperated on and 13 of which were comed in 18 per cent of the trust aument of the carlor tatustics (Popund to 18 per cent waster 13 Haustern 4 and Martins 30 The proportion of carmonas (in the bod) to carmon the cervit (according to Winter 1) is very sufficient of the conference of the body (Winter 0 ; Halla er 0.3 kruge 12.3 The proposition of the body (Winter 0.5 Halla er 0.3 kruge 12.3 The proposition of the body (Winter 0.5 Halla er 0.3 kruge 12.3 The proposition of the body (Winter 0.5 Halla er 0.3 kruge 12.3 The quantum of the body (Winter 0.5 Halla er 0.3 kruge 12.3 The quantum of the body (Winter 0.5 Halla er 0.3 kruge 12.3 The quantum of the body (Winter 0.5 Kruge 12.3 The quantum of the body of the trust of the conclusion that myoma undoubtedly fa one the development of carmonas of the body of the trust of Kruge 12.5 The quantum of the body of the trustor Reverser

Werner P Carcinoma to the Uterus and Adness at the Same Time (the gles keet ges Vorkom men oo Carcinom m Ul rus und den Adnesse) Arch f G k 9 4 7 5 By Zentralbi t d ges Gynak G burtsh. s d. Grenzgeb

"Determine t d ges Gynak G burshs & Greunych Billroths dem nd fo a cert at a dg gooss (mal up) gramary t mors as too exacting multiple gentry tumore do not necessarily has a different to the control of the control of the control of the designation of the control of the control

The report for 5 years at the second gynecological climic fielded 15 cases in which the uterus and adnexis were curemomatous 10 cases in which the tumors were derived from another 3 fm which they were independent and 2 doubtful cases

The cases were as follows (1) Primary papillary carcinomatous cystadeooma with retrograde roetastases to the uterus (2) Papillary glaodulat cat cinoma of both ovaries fymphatic metastases in the myometnum metastases in Douglas pouch (3) Papellary carcinomatous cystadenoma with metastases apparently from implantation, on the wall of the aterus yet their lymphatic origin was afterward demonstrated (4) I apillary glandular carcinoma of the right overy and undoubted iroplantation metastases on the nterus (5) Carcinomatous glandular cystadenoma of the ovary untolving the uterus by contiguit) (6) Carcinomatous papillary cystadenoma on the right with direct problerations on the tube the uterus and the left overy (7) Flat epithelial-celled carcinoma of the cervix with lymphatte metastases to the left tube (5) and (0) tympnatte memsuses to too ten the too and the design and denocarinoms of the body of the uterus with transmission to the tube by coatinuity (to) Carcinoma of the body of the uterus and fungus tumor to the ampulla of the right tuhe which was regarded as a true mucous membrane metastasis since no lymphatic dissemination could be demon strated (1) Carrinomatous glandulat prolifereting cystadenoma in the right overy a papil lary eystadenoma on the left and an adenocarcinoma of the uterus \o caremoma in the blood or lymph tessef (12) C reinomatous papillary cyst denoma of the right ovary and the right tube and heginning flat epithelial celled carcinoma in the cervix (3) Exophytic adenocarcinoma of the body I the uterus and earcmomatous papillary cyst adenoma partly pseudomucinous of the right overy (14) Exophytic careinoma of the uterus and adenocarcinoma of the ovary with abundant probiemt on probably independent of the other but of almost the same structure (15) Adenocarcinoma of the nterus and tube probably independent but not certainly so

None of the cases was diagnosed as a double tumor R Scareform

Veit J Principles of Oue Treatment of Cancer of the Uterus (Ore desize concert R handl ng des Uteruskrebes) P ht Erge d Gebartik u Gyast 9 4 vt 49 B) Zentralbi f d ges Gyatk u Geburish. d Grenzgeb

The operat on for cance of the uterus should he hunted to those eases that are lavorable in every

But it seems that even these if irradiated with authoreat material can be cured in about the same time as by operation. In Germany there are no eases showing permanent results from braduction altet five years or more but some I rench authors seem to have such results. The quickness and anteness of the recovery la canter territed by lira liation I pen is on the amount of radio active material available and on how early the case is treated Failures are to be explained by the fact that up austable cases are treated Cases in which the general health is involved to such an extent that there is mathe I cachezia should not be treated It seems possible by irraliate a of the primary focus to obt in retrogressian to the lymph gian is The irra h tion of sa ollen jamph al nda without frea lia tion of the primary locus does not seem to produce any result Sporter

Weinbrenner C.: Treatment of Genital Car cinoma with Mesothorium (Die Il handling der G taker nome mit Newthorium) Af
i h f C h i h Cy ak, 1014 av 18
By Amtralld f d ges Gynak a, Geburtak s, d. Grenzgeb

The work contains a further c atribution to the experience with mesothorium treatment author report 32 carcinomata and a cases of limac tene hamo thing which he treated from July 1 to Der 1 1913 with 144 mg active rad um l'immide d sini uted o er an area of 140 sq mm \o ronigen arradiation was used. The 8 most success ful cases are described. Regularly afte es h straduation there was a fall of about \$,000 000 to the erathrocyte count alter lour days the blood puture became normal aroun and then the trradiation was continued

Th changes which appear so soon in the visiels cause the autho to attribute the quick haoges in the parenchyma of the eancer to the direct effect of the prediction in causing disturbances of nutra It a is the vessels of the region In one case be observed kinking of the ureter and atasis of the unae is the kidney pelvis caused by distortion of the bladder from too sudd n contraction at the eratet of the carrinoma and the vault of the vagina

on Graff L. Fflect of Pregnancy on the Growth of Malignant Turnors (Ube den I adus der C draf a f d Wach t m m han t Turnors) it k! Il ch uh 10 4 220 3 By Zentralb! I d ges Gyark, a. Geburtah a. d. Cresugeb

The uth r tried t determine e perimentally whethe pregn ncy hastens the growth of mulign at t mr. Rt acre used a experimental nimits Se n perim nts showed that pregnancy was nor ta or ble to the gro th of the tumors Of course th re its f these e penments eagaot be held to apply to huma tum m especially carein m of th ut ru a the e perimenta were with implimed tumors out ide the geat 1 yt m But it indicates th t th questso of the n lavorable effect ! pregnancy on the late results of radical operation for esacer of the uterus even chairally is not yet poanimously decided Berso Ware

Béclères Rönteen Trentment of Visomata (De Roetge therapse der Myome) Strehl athres

By Zentralbi f d. ges Gynth. Geburtsh a. d. Grenzreb

The treatment and tried on 6 a a pulpable myomata auth hamorth ge 60 myomata auth hamurchage baddes 5 with normal menses sal a who had passed the menorance in 36 the turner could be f it above the pelvis The ages varied from to to co years. The results were Appear ance of the menopause and marked decrease in the size of the tumor In a cases there acre no results. The author bel even that the rontgen mys affect the Shromatous tueste itself as the decrease in size o't ceded the appearance of the prenopause and mismata developing after the beginning of the mesoponce decreased up ler motgen treatment. In each patient a stop of skin t em broad in the medic line was protected in case future surgical operation should be precessing

Gauss C. J and Krinski B. Mesothoriom Trest ment of Myamata and Metrorathics (De Mesothoriumbehandlung de Myone und Metropathien) brakenther 9 0 4 440 By Zentralbl f d ges, Ganti Geburtsh s. d. Grengel.

The authors assumed that only the gamma rays

ol radio active substances were effective in gracelogical deep trradiation and tarefully carried out sal mal experim uts which confirmed their hypothesis The same thing is true as to the effect of both radium and merothorium on the female gennalia

The ba ic i lea of the authors is to use the highest possible dose in a unit of time so long as the possible without hurning the healthy tissues Every prepa attoo is biologically measured on the body of the pate at that is the erythema dose of the ra ho active preparation is determined. Fity mile gram of mesothorium are used in a gold capsula mm thick covered with a thick eaough layer of or I secondary rays This is placed in gion 2 or 3 times for 24 hours and theo a rest

of two and one half to three a ceks is given When eryth wa appears treatment topped u til it dis appears 'Ul myom to a re irradisted including the satm cervical ages so I those ath concountant disease of the adness. Age and namma acre so The results were very taken ot coa ideration satisfactory menorrhora persisting ove six months, the tumor almost ompletely happearing to slicate except one nad decreasing to half of the original and in that on There were ma ked ymptoms of the m norm se in mly a per cent of the cases Mesothorrum is to be preferred to rontgen treatment this respe t I be effect can be hastened by combined roesothonum re igeo treatment Recovery gener ally took place after three routgen treatments and two ppl 1 ol mesothorium

The combination is very useful in cases where recovery is slow with rontgen treatment alone The injurious by effects are discussed vomiting slight d zziness with marked aniemia on leaving bed at the close of the treatment tenesmus of the bladder in only two per cent of the cases no severe injury to the tissues when the right filtration was used markedly anæmic patients the danger of thrombous may he avoided by rest in hed during the treatment Rontgen treatment is given the preference in myo mata and metropathies only on account of its cheap ners mesothorium should always be used in malig nant tumors or sometimes in enmplicated cases a combinat on of rontgen and mesothonum treat I OFFICE T ment

Roy J E. Abscesses of the Wall of the Uterus and Their Treatment (Les collection a pouries de la parot uterne t lear traitement) The d dott Pa 1914 By Jou al de Chirang

In 1906 4r cases of abscess of the wall of the uterus were published Roy adds several new ones These abscesses are generally located on the posterior surface of the uterus or in the region of the cornua They may develop toward the mucous or toward the serous covering in the latter case involving the danger of serious peritoneal complications etiology may be puerperal infection gonorrhora or traumat sm The symptoms are variable and not very characteristic Abdominal pulpation gen erally reveals pain over the uterus an abscess of the vaginal portion will be revealed by the speculum sometimes the finger introduced into the cervix reveals a submucous abscess B manual examination may show an abscess, co existing often with an increase in the size of the uterus Diagnosis is almost imposs ble Pyosalpinx is generally diag

Utente abscras may often be prevented by asequating and alter laby and by reducing the numbered obstetencal examination is affect they have developed they can net by he excased through the vagins. Vaginal hysterectomy in such cases has overan mortality of 5 per cent. Legarationally as the preferred LF the abscess is solitary and there was not such that the second of the second that the second of the secon

Adder L. Causes and Treatment of Hasmorrhage of the Uterus (Über Ursuch und Behandlung von Uteru bl t gen) Mes Ki Beri 19 4

By Zentralbl i d ges Gynak Geburtsh d Germageb
The source and cause of the bleeding should at
w ys he determined if the purpose of deciding upon

treatment. An accurate history is more valuable than physical findings especially in extra uterine pregiancy. The history is less valuable in cases where instead of the menses or before the menses a slight hemorthage extending over a long time appears. Conservative treatment must be rejected in extra uterine mensalment.

In extra utenine pregnancy
The anthor then reviews his and Hitschman a study of endometritis Glandular and interstitual endometritu alone do not cause hemorrhage the adners especially the ovary must be involved, or there must be retrodeviation of the uterus And in chrome metrius the menses are apt rather to be scanty there is no characteristic hagnorrhage fact that the overan function regulates the menses that in adnesitis there is irregularity of the menses only when the overy is involved that obgomenor there occurs in atrophy of the ovaries and cessation of the menses after castration lead to the conclusion that severe hamorrhage must be dependent on disturbances in function of the ovaries A polypous hyperplastic utenne mucosa or atony of the utenne musculature may favor menorrhagia. Its appear ance in chlorosis Basedow's disease Addison's disease and myreedema is probably due to dis turbances in the internal accretion of the ovary In many patients the congulation time of the blood 15 also increased

The hypermum of the pelvat organs caused by sedentary life conests constitution and measure bottom causes menorchagas rather than metror rhagas. It is well known that dust bances in menstruction may also be caused by psychic stim ulation general duse is and circulatory decases. The change in the conception of mentrual disturb ances has indistorted treatings.

Curtitage should be employed only for the removed of remarks of shortion as a means of diagmoval for suspected malagnancy and for polynous
bengan hyperplastic mucous membrane in gonor
thoral endometrias curettage is useless and even
damperous espocally if there are inflammatory tumora of the admean of pallustive treatment fails and
the harmorisan does not stop radical operation
that the harmorisan description of the property curet
tangenous. Inflammato Currettage in myoma as
tangenous for the stop of publicity curet
tange does not stop the blecking the publicity curet
have instantial uterus or status thymologian planticus
and other treatment as required suppositions.

The meases are often improved in the menors are and an young girb by rest in hel, change to a high altitude chalybeate baths rough food and experiments about an experiment of a come of patient subcutaneously for five days is effective three to four mouths and materials of maintain every year is also recommended Calcium is useful only year is also recommended Calcium is useful only year is also recommended comment in the property of the control of the c

treated by routgen rays Radium treatment can not yet be recommended for himorrhage from benign tomore.

Clark P S Glandut e Extracts in Menstrus! Disorders. Cl 14 c Chicago, 1914 2270 250 By Surg Gymec & Obst

This paper is breed upon experiments which have been carried on in the use of the catracts of some of the glands of internal secretion at Hahnemann Medical College

Formetty it was believed that the relationship between the different functions of the genital organa with each other and with oumerous other functions was due exclusively to the central nervous influence It has been proven more recently that the general organs influence the development and function of d stant tissues and organs chiefly by means of their internal accretions t e by chemical agents (hor mones) Thus in menstruction the granes secrete into the blood certain aubstances (hormones) which caose a congestion of the uterus and its mucosa the uterine glands in the presence of hyperamia begin to excrete their mucus and this mucus con tains a digertice ferment trypsin. The tryps of containing rouces flows out onto the surface and decits off the superficial endometrium - the socritical amolien cell layer - the amallet capillaries are also opened an I menetruation takes I lace The trypsin content of the mucus mixes with the blood and lestroys the f bringen bence normal mentional blood does not clat

The influence of the toternal secretion of the ava ties upon the breasts and the root gf n f is revened Amenorthica or scant) menstruction due to functional inacts ity of the ovaries, to ovariotomy to 1 ray influences or to destruction of the manan function by injectious diseases and accompaned by the manif ki disturbances of the nervous and circulatory systems which usually result from the absence of the hormones are all benefited or entirely relieved by the administrate a of or man or lutera estracts In a wom n 26 years of age whose aterus tubes and ovaries were removed on account of the results of severe inflammatory disease one of the overies a a transplanted into the cellular tissue beneath th breast ft is ton ea ly to state just what the results will be bot the hope is to prese t the artific al menopause with it cardiovascular storius atrophy of the ul a and vagina and most of all the mental changes which at times lead these patienta to suicide or to insane asylum

The woman who is are leadily grining in weight whose mensional period of rather apart and the same activity zero rate to adjourn and setting the same activity zero rate to adjourn and sexity and sexual infant less in addition to the will known changes in the skeleton and skeleton and same activity zero rate to adjourn and sexual infants less in addition to the will known changes in the skeleton and skeleton and same activity zero.

In m ny cases of perversion of the internal secretion it is necessary to resort to the therapeutic test namely to administer first one and then the other of the estimate shall it is determined which is inducated. Ylany cases of so-called occurstheau are due to the perhyrocidum secondary to sazam an aufficiency as I the use of lutes or ovaran extractions of the control of the industriances of the crevatation and of the med and of the bertous system occurring at the mesocoase, of the bertous system occurring at the mesocoase, and the control of the desirable of the control of the

Cases of menorrhagia and metrorrhagia without anatomical basis are benefited at times by the we

of futein extract

The use of mammary cutract has been tred also mose cases of menorrhags and nettorrhags, and at times with marked results but an others normalism at losser. The question whether the manner of the contract of

If it is a fact that menstruction can be postpoord in many cases by prolonged factation, it ould rather point to any t mal secretion from the breasts

Schröder R: Condition of the Utrrine Mucous Membrane at th Time of Men trusion (Cher da Verbalten der terussehle inhant in die Zeit der Men im toon) Mone h f Gebutsh

Zest der Jien tru ison) Mone h f Geburish u Ge dit q 4 n in h By Zentralbi i d.gr. () mak Geburish a. d. Grenageb

This follows th uthor atlas The normal cycle of the ut me m ou m mb a I takes up the quest! of whethe there is a decharge of the murou membrane t mensituation adif so to what The material i described in d tail. The thickness of the muc m mbrane during the intermenstrual period is ma kedly increased over that of the post m ast ual period. For the last few days before menstru tion there i a defi ite dayes a rato compa t pongo a d basal layers Shortly before the begrowing I bleed ng there are figures showing the di ot gration of oucle and leucocytosis During the arly part of the bleeding the compact and in ge part I the spongy lay r are destroyed partly by autolysis and partly by

phagory tosts
The beginning of the disant gration from the o
ternal os, as described by Wilhams could not be
demon trated
resume th dege
beginning of th

on also we a pipung.

no marked iofiammatory changes in the mucosa the etages of the cycle progressed in about the

same way

Schroder lays great stress on accurate data there are Individual variations in the agreement in time between the anatomical and clinical menstruation but the difference in time is short. In order to avoid post mortem changes the material in all cases was fixed dunog or immediately after operation As a result of the trauma in curettage cobepithelial hæmatomata could be found at all stages of the cycle Schultre's oxydate reaction showed that pyknoss was the result of disintegration of gladdu lar epithelium and etroma cells, and oot of the destruction of wandering leucocytes. The regeo eration forms of the remaining epithelinm and the clearly demonstrable reconstruction of the eurface indicate a preceding loss of mucous membrane There is a diffuse infiltration of leucocytes through out the mucous membrane with the exception of the deep basal layer Micro-organisms were never demonstrated and the infiltration of leucocytes was seen only at the time of menstruation. Substances set free hy the beginning distotegration of the mucous membrane or biochemical processes in the cells probably have a chemotactic effect on the Ildenge. leucocytes

Bandler S N Constitutional Dyamenorrhera
1 1 1/ J 19 4 zeru 96
By Surg Gynec & Obst.

This article is essentially a discussion of the interrelation of the secretions of the overy the thy roid and the uterne kining, and of treatment for d turbed balance of these relationships

It is Bandler's belief that the idea of interrel tion and aotagonism between the overy and the thy road

appears to be generally accepted He says the reaction of the r dividual fo the premeostrual cumulative influence of the ovariao secre tion follow different types Some have no warning of approachin menses some ha e local phenomena only and a goodly proportion have a consut to nal reaction of either irritation or depres ion. The reason fo these different types are to be foun f in the character of the ovarian secret on in its relation to other serretions d in the sensiti chess of the nervous organism that is be ng played pon While to some women the thyrod is scarcely stimulated t all by the ovarian secretion in others the slight est ovarian premenstro I ctivit is at once followed by a response of the thy road in the form of act al or rel t e ov ractivity. The react on of an individual to the premenstrual phase is a fair indiration of the sensul eness of that patient s n rioue system

Perced g menopause constitutional dysmenor threa becomes frequent. Whatever the cause the administration of thy roid extract may serve as an at to diagnosis. In the case of hyperth roid sun the premensivel may ness will be accentionted where n a hypothyroid or hyperoan n type at would be a percife Come of the hyperthyroid

cases absolutely require opium or belladonna for their typical extreme restlessness

The author believes that the instability of the relation which the thyroid bears to the ovaries and uterus roakes the thyroid more susceptible to the causes which produce these same diseases in a

far smaller proportion to men.

The monthly play produced on a woman a nerous system by the prementarual ovarian stimulation causes either of itself or 10 many cases, through
a reaggerated response on the part of the thyroid
a group of nerv phenomena like those in hyper
thyroidans to which may be given the term con
stitutional dysamenorrhous. Bandler classifies these
patients nader furit types (1) The philegmafic
of depressed cases (f) the nervoue excitable cases
(g) those that chaoges from hypo- to hyperthyroidum
as the menses approach and (4) a very common
type of midd hyperthyroidum.

The author believes that alcohol coffee tea lodides and arrance stimulate the thyroid and that is quieted by rest freedom from sexual stimulation correction of pelvie congestion and pains, mult detergot glycerophosphates and especially

bromides onum and belladonna

The nierne hung acts on the ownes and is acted on by them II mentiration can be stopped and in these patients the ownes be left fin over secretion of the ownes and fine cycle response of the thyroid seem to be markedly weakened and usually removed and other vaction of the owners for the endometric hormones is done away with In a matched by street compared to the contraction of the contraction of the owners of the endometric hormones is done away with In a matched hysterectionsy to Bandler's final choice

The effects of the hypophysis on the sexual apparatus the author believes to be very slow and not cyclic E A Bulland

Thwalts J A. Haemato-Therapy in a Case of it norrhagia of Puberty Med J S it Afra a 9 4 M 3 By Sorg Gyn c & Obst

The author reports a case of menorrhagia oc curring io agrid r. 5 Duning the previous summits the patient had not been free from the loss of blood longer than 8 days at a time Utenne drugs had been administered without effect. Rectal luman ull examination revealed no pelvic abnormality

Ten cubic centimeters of humao serum from the patient e mother were given subcutaneously. Im med ate improvement resulted. After an interval of at a days menstruation returned and leated 8 days. On the seroad menstrual day 30 ccm of serum were myected since which time the patient has been quite mormal.

Adory B Fascia Lata Implantation in the Treat ment of Gential Prolapse to the Fermale (Fasc hat Implantation zu Heilung des bbeben Gential prolapses) Z st albi f Gy dt 10 4

By Zentralld f d. ges Gynak Geburtsh s d Grenzgeh.

**Sadory recommends the implantation of a etrip
of laser in the place of the ware ring recommended

by Freund in recurrence after prolapse operations and in old women instead of total extirpation. The procedure is as follows A strip 15 cm wide and as cm long is cut from the fascia lata of the thigh and the wound autured The stop of lascua is kept in warm physiological salt solution A slightly curved not quite blunt needle is inserted in the table of the permeum near the lower end of the wall of the vagina and is carned unward along the edge of the right laboum minor until it comes nut below the bulb of the urethre The strip of fascia is drawn through with silk threads The same procedure is repeated on the other side The two ends of fascia are then crossed and pulled upon until the entrence to the vagina seems parrow enough and theo they are fixed in the vaginal wall

Midory recommends as an improvement in this method that the ends of the facials be crossed and with the sid of a Busum heboatestowy needle carried op along the posterors andrea of the symphy as and both ends fastered in the skin of the most security and both forms a figure eight. Recently he has experimented with substituting the faces from cattle for fasts, from the passerts a thigh. This was prevausly hardened in 5 per cent formain and securized for a most or security of the security of

Wethel W Operative Treatment of Recurrences after the So-Called Vesicovaginal Interposition of the Uterus (In opera i Behanding der R tidive tach der son Jotenyoutro ten vesicovaginals) Zentralli f Gyndi 913, 273 is 505 By Zentralli I d. ges Gyndi u Geburis a & Grangel

Recurrences occur after vencovaginal interpost tion of the uterus either from the cervis moving forward under which condition the body of the uterus may of may not be loosened from its fixation or from the fundus of the uterus falling forward The cause of the first condition is relaxation of the sacro-uterme bigament and a weak permeum. The cause of the latter is poor fixat on of the fuodus relaxation of the ant nor vaginal wall and a weak permeum 4 simple permeorthaphy is insufficient for treatment. Formerly the sacro-uterine ligaments were shortened by the abdominal route and a permeorrhaphy performed Now after desecting the vagion from the uterus and shortening the sacrouterine ligaments aginally in better abdominally the uterus is antured into the cleft in the levat r by Rertheim s new method

Lenormant C and P itt Dutalits, D High Am putation of the Gervic Combined with Coll performy — Boully a Operation—in the Treatment of Prolapse (i. amputatum ks. 1 de col cuten combs és à (colpé.toms — opérator, és Boully — dan le raintement des prolapsis grinator) J Am 9 4 m 4 5 h 5 km (spec à Obst This operation is p dicasted in cases of not appe

with elungation and hypertrophy of inflame tion

of the cervis. It compares a supra-spand impution of the cervis a objectionly of the antices val of the vagina and a posterior ecloperatoriph it overcomes the hypertrophy of the cervis, and exuses a certain depric of involution and steply of the body of the ultrus retracts the colories and both laterally and anteroposteriory and constructs the persued support of the protein In addition to the usual preparation it is often advantageness to do a cuerties.

advantageous to do a curettage
First step The cervix is seized by the antenor ho with traction forceps and drawn as far as possible outside the vulva which has the effect of stretching the explerent anterior wall of the varing Four grashing forceps are ottached to this antirior and to mark the corners of the flan to be resected these forcers should be placed carefully (Fig 1) The two lower ones are attached to the pervix itself at the insertion of the varinal wall near the external ornice exactly at the union of the ant mor and postenor semicircumference. The two upper ones are placed directly above them and about a finger's breadth below the unnary meatus With the post of a bistoury a transverse increion is traced passing below the two lower forceps then two vertical prcanons are carried upwards from the ends of it, outside the forceps up to the upper ones so that a large rectangular flap is marked out including almost all of the anterior wall of the vaging. This flap as then dissected and separated from the anterior surface of the uterus. This discrition is facilit ted by trartion on the two loner forceps Below and on the sides the dissection is performed with sensors care her g taken never to lose contact with the uterine tissue then when the plane of cleavage between the uterus and bladder is reached the dissection can be finished with the fi ger covere with a compress The dissection finished, the week f the pterus as depuded to the isthmus and the flap bolding only by its base can be lifted the bladder cao be seen adherent to its under sur

Second at p. The flat p is held with forces and the bit doffer separated from its under surface. This spectration is accomplished, with arisons some cire in creasity to a rold injuring the bindder but there are no serious difficulty. It is accompanied by most active the controlled by pressure or it necessary by applying forces to a few arranders. When the bindder it completely freed and pushed up the vaginal flat per active three difficulty and the property of the property

Third step. It is advantal at this time to light the curved benches of the uterne arity on each side. They form a group of three or four small artens approaching rut in a fan shape on the sides it is criver and the dime of the vag. as the sides of the criver and the dime of the vag. as the properties of the control of Leavy d not make the a separate pointly of Leavy d not make the a separate pointly of Leavy d not make the a separate they are cut whill the crew us heng amputated they are cut whill the crew us heng amputated the separate cut whill the crew us heng amputated.





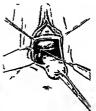


Fig 1

lig a (Lenorm t and Petit Dutailis) End of the first ten. The dissection of the antenor agual flap is completed the flap lifted is ving the cervis denuded

but it seems preferable to ligate them on mears and proceed with the cervical amputation without harmorthage. The uterus is pulled toward the opposite side a harrow retractor inserted a curved after) needle threaded with No r catgut passed under the whole group of arteres and the fibrous tissue which sur ounds them and they are higher!

Ing 2

It bladder is adherent to the under surface of the flap

it. Second tep. The bladder is separated from the interior

armal fap

Fig. 3. (Lenormant and Petit D tailbs.) Third tep

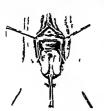
Disaction of the bladder and resection of the

tenor wan

nat fap are finished the needle s passed under the cervical

breaches of the utern retry on the pades of the crevix

Fo it step. With two cuts of the sensors the cerva is again and a posterior then the anterior one is detached by transverse section on the attentior one is detached by transverse section at the attention if the light on of the cervical artenes has been correctly performed there is li only be insignificant hiemorrhage and the alight ocoring which still takes place will be complete by atopped by the suture of the vagnat cot the cervar.







Tig s

I g 4 (Lenormant and Pet t D tailis.) Fourth tep flee virtual branches of th uterine are ligated on a h ade d th moutation of the nterior lip of the ere's a accomplished the first thread of the terior ginocrivical sature is passed.

Fg 5 (Lenomant ad Pet t Dut illus) Lad of the ownth tep. The anteror agunocervical a tre finished Fug 6 (Lenomannt and Pet t Duta lins) Begans gof See fifth tep. The posterior hp of the cervic is held up th forceps the dotted line shows the posterio lucision.

but it prevents their development which results to absence or great ranty of cystic follouise atmuss these formations were found in ordines functioning normally obsence or rar ty of the corpora lutes of atresia alsence in women who hed young an l rarrity in the more oged obsence of the corners bites of menstruation m all the eases absence of faity inclusions in two corpora lutes of pregnancy found in tubercular patients

The d elopment of the interstitled stand of variable in patients with fil roma with respect to the number of folls ular atreva and the presence of the corpus luteum of men trustion The cornes lutrum of menstruction may be double. In six cases it was lacking entirely. In five cases there was one corpus luteum in one of these cases the woman had had a un lateral ovariotomy if y are before In one case there was a corpus lut um in each overy in ne case two entport lutes in the same These differences bear no relation to the age of the prittents. These facts do not accord with the theories that assume that the m tur follicle ruptures regularly 12 to 14 days before the mea struct period If one a sumes a relation between avulation and menstruation there may be some justification for refusing to accent such facts of served in p thological organs but there seems to be no reason for assuming that the presence of Iwo cor pora lot a w s lue to the des lapment of the fibroma as Pillet thinks for in some cases there was

no corrus luteum There is no doubt the t the orange pt , a part in the uterine harmorthage observed in cases of fibruma C ses of cure of the hemotthage by iligor I s opera tion proves this. The fact that when one or two corners lutes were present the menses were regular and when there wa n corpus lutenm they were irregular ten! to show that the overy h sa regula ting action L CR MEA

Memperer P Interettial-Celled Surcoms of the Overy (Ube d 2 schenzellert m des

1914 1 tis Zentralbi f d ges Cynak u Geburtsh d Cresugeb

Three cases of round relied af colur sarcoms of the o ary one in a nationt of ra and the two oth re in niti nis to ; am f oge were very simil r h to-logically to the interst tial celle l tumors of the testicle In the th nl case m which ovarian ti ue was still present there was no well-define I boundary I ne between the tumor-cells and those I the thecu interna while so far as this was histologically poss ble all transiti n forms between the two & nds of cells could be recognized

Aft r rejecting other splaostions of the origin such as endotheboma and u slateral de riopment of tissue elements from a teratoma klemperer concludes that it was a probleration of the rells of the theca intern which are analogou to the inter titlel rells of the testicl In such chansn sir comata there are frequently anomalies to sexual development and even pseudohermsphroditism Is mut a th with relative frequency. This would seem to confirm the hypothesis of those authors who believe that the internal secretion of the inter stitial cells has an influence on the development of the secondary sexual characters

Lendon A A Hyd tidliarm Mole with Lutein Casts of B th Ovaries Hysterectomy and Double Ovariotomy Australar II Ga 0.4 By 5 rg Gypec & Obst

The author reports a rase of vestrular mole in a somen 20 years off ra montha after ber first pormal labor The tumor itself showed no un usual macroscopic or microscopic findings but the ovaries appeared as two polycystic hodies each measuring rs o a 6 cm. The cysts were multiple but not multilocular The walls of these cysts were made up of ruboids cells ld atical with those found in the oormal corpus lutrum Granting that these are luteln eyets. Len lon a greats three hypotheses as to their origin and personally find n s to the list theory (t) That the mult ple cysts represent a mahanant dissemination though both ovaries of lutein cells form a single lut t cyst these cells have tak n on active growth and have reproduced the cystic character of the original neoplasm (2) That most of the granfian I lied in both varies have been acted upon by some influence which h caused them to levelop t to lutein cy ts (a) That the res dual cells from previous corpora lut a have been stimul ted int activity has rapidly reproduced and that the resulting new growths are the lutern chets in qumtion

CASSAY CLUBESTEON

I ipschitz, A. A Case of Primary Carci oma of th Tube Developing after an Old Tuberculosis (F F II on pr maren Tubentartinom I dem Braien her T be I kou.) Monet h f Geb i h

Cynth Cynat 014 X 1 13
By Zentralid f d ges Cynak Geburtth e d. Grenageb 1 44 year-old null para in a moderately good stat of nutrit on compla ed of pain in the b ck and abelomen and a sen ution of sinking. The uterus we found fixed a retroposition the daexa not sen tilve 1 I gnoses was made of myom f the tera with adhision 5 pravage al imputation of the uterus w s perform d and the adner and both broad figurents were removed. The terms was a large as o smill fit studied with smural modules of myotna. The right he t th payered into a tumor the size of a bizel ut. Mic oscoper fly on section of the tube typical toberties the muscul ra m re lou d nflammation drep t saues shightly stypical epithels | prolifer t on Section through the m d lk, of the t m showed the musculares chron cally infl med d studded with t bercles and containing umerous branch ag

The disted lymph spaces were filled with temor The papellary prol ferations tarted from the

mucous membrine the epithelium of which showed tremendous proliferation into the lumen Between the numerous papillæ there were many epithelial nests of the nature of alveolar carcinoma and also tuhercular tysue The microscopie diagnosis showed primary papillary carrinoma of the right tube de eloping on an old tuberculosis growing qu'elly ongs ating from the mucous membrane and infil trating the aurround ng tissues especially the musculatts

The author helieves with Kehrer that the papil lary form of carcinoma of the tube is a more henigh predecessor of the niveolar form Thus case was on the po nt of being transformed from a pure papil lary into a papillary 1 colar form The prognosis is bad especially in cachectic cases. Only 4 cases were f ce from recurrence after years. The hest prospects for recovery a e offered by performing the earliest and most ext as e removal possible of the uterus and adnesa hy Freund's operet on Unfortunately diagnosis is very difficult

FALCOR SAL

Bell W B A New Operation for the Treatment of Suppurati e Salpingitis in loung Nomen S I Gy et & Obst 9 4 By Surg Gymec & Obst

Bell bri en forward a new operation for the treat ment of suppurat e salpingitis in young women

The object of the operation is t remove the dis eased structures as widely as possible without interfering with the fu ct on of menstru tion He states that the fundus uten is frequently affected and go es a photomicrographic llust ation showing round celled filtration of the musculature

The te hasque is as follows The right tube is f eed by cutting through the mesosalpinx of that side Next the left tihe and ovary are freed by e tt g through the broad ligament at the ju ction of the mesosalpinx d meso overnan up to the uterus A w dge-shaped portion of the f ndus uten is then excised by means of two incisio s one of whi h is carried across the a terio aurfare of the fund and the oth r cross the fundus posteriorly These no ions meet on the lateral walls f the uteru bout half n nch below the tubes The anter r incision c t th ough th asertions of the round ligaments These two mess ons are deepened the nterior downwards and h chwards and the post nor downward and forwards until they meet n th center of the uteru. The ascending branches f the uters e rteries are caught a d tied as are the ther vessel in the broad ligame t when they cut through The wedg shaped open g they cut through The wedg shaped opem g n the uterus is closed by fou mattress sutures which check ii the bleeding a d bring th flaps tog ther Next a commuous uture is carried across

th pelvi pprovinsing the cut pent eal edges of the mesosalpins on the right de and of the broad ligame to in the left. The perstoneal edges of the uterine staps we brought together by the same suture s it is carried from ne side to the other

3 Finally the round ligaments are attached to the stump of the uterus as is also the right ovarian ligament to prevent the ownry from becoming prols psed

The results of all the operatio a performed so far have been very satisfactory The author refera to the fact that Beuttner appeare to have devised a somewhat similar operation but made no publication of it until after the author had published an account of his own

Stern M A. The Non Operative Treatment of Gonorrheeal and Septic Puz Tubes Perimetritis, and Parametritus I a M J 9 4 54
By Surg Gynec & Obst

The author briefly reviews the work being done a broad in the non operative treatment of gonorrhoral and septic pus tubes perimetritis and parametritis In young women at the height of their sexual activ sty he recommends the most extended and prolonged use of non operative therapy. Minety per cent of these cases remain free from subjective aymptoms after the first year If operation must be performed in young people, he recommends salpingectomy In some patients this operation is a failure in women near the chmactene if the non operative treatment fa la be recommenda panhysterectomy as the opera tion of choice DOW ED L CORNELL

Lanzarmi F Large Cyst c Lymphangioms of the Right II ac Fossa (1 I mneux lymphangione kystique de la fosse aliaque droit) U d tem? By Journal de Chirurgi

The author gives a very complete case report both chuically and histologically accompanied by a bibliography The patient was a married woman of 49 with thing of especial interest in her personal or family h story For five years she had noticed the existence of an abdominal tum r with pain at a point 3 cm above the middle of a line passing from the umbil cus to the anterior superio ihac stane The only symptom was the pa which was somet mes so great as to m ke walking impossible For seven month she thought that the tumor had increased n size immediately afte meals On inspection the bdomen was promunent but with no special protube ance at any point. On percussion there was duliness in the lower quadra is of the abdomen On palpation a tumor was found occupy g the hac fossæ with slight lateral movement Some points in it seemed of woody hardness others sems fluctuat ng It was difficult to move the body f the uterus W th one hend on the abdomen and the other in the vagi a the nind les of the tumor could be f it in the posterior cul-de sac of the vagius Laparotomy showed a tumo implanted in the pelvis in the subpentoneal cellul r tissue of the right that fossa it w s entirely covered with peritoncum

and showed some adhes on to the great omentum Lanzarini gives a deta led account of the macro scopic microscopic, and chemical examination and

The patient recovered

diagnoses it as cystle lymphangloms with points of calcification. He has not the least doubt that it originated in the lymphatics of the right line forsa. He says a subperitooeal eyatte lymphangioma of the that fossa has never been described before form of tumor is extremely rare and has only been found in the peritoneum or mesentery The tomor which was very large weighing a kilograms showed calcified nodules varying in size from that of a hean to that of o pigeoo a egg. Such a process of calcification has to the author's knowledge never been described before He thinks this was a congenital 1umor P or Rialisa co

EXTERNAL GENETALIA

Edetherg K : Ftiology of Cancer of the Vogina (Zur Ats logs d Sch senkreises) Z : ild f (yakt o 4 szeviu 267 By Zentralbi f d gcs. Gynāk u Geburtsk s. d. Greorgeb

I carem ma de cloped at the place where the posterior part of a pessity had lain. The patient who was 68 years old had worn a ring pe sary for 25 years it had not been removed for 12 years and could be removed only in pieces A microscopical examination of a piece cut from the ulcus showed a flat-rell d enthelial arcmoms. Only two similar cases ha been reported Beven

Francey P t Treatm nt of Venicornginal Fistules by th Trans esical Rause (C re d s fi tul s furo mal p la cu t (cal) 71 d'adet l 94 lb Jauro l'de thure

The tran v ical toute in the treater at f venco vaginal f tule is let ly indicat d in the following clases of wes () When the fitule cannot assly he brought down be ause t too high up of the vague is contracted a 1 lerote or if the neel of the oterus has been mout to I the surgeon has no solid noint on whi h to exert tracts n nd bring the fistula down to the vul a (2) when agenal opera tion ha faile ((a) h n satoscopy o bin a examination leads to the uspect of that the fitul t nea th unit ral orifice

In the ase peration through the bl dder t superior t th t thro gh the agina because it gives mor light on the tistul it asy t prolong the 1 affect t extent 10 esicov ma 1 lissect that the thre I do not pull The I st but not the least ad antage is the the tidl a place lat rest afte the oner 1 n by hypoga tri d amage

The t changes of the peration t very sample h w g the h et o ni the aod a plat 1 gr neck of the !! ld th long gof the gral on fice by 1 rea tring uture no the sucure of the bladder by a f separat ut rea. There there eases at report 1 5 f these h e been previously re 6 of Ma son # published Aming thinew se Ih re ti failure Recovery w ompli in 4 asc hystereet my for in one case f tistul f flowing cancer of the ut u n l 1 ty firse fistula actuated low down and 1 olving the neck of the bladder with destruction of the sphincter. The operation has given complete success at o single operation to about 60 per cent of the cases Gusto Picor

Schmidgatf G Bacteri logical Lammination of the Vaginat Flora of New Born Girls (Bakterologtech L tersuch gen über die Scheidenflorn eug Borener Mad hen) B ! z Gebutik Gy i

By Zeotralbi f d. ges Cynsil o Gebuttsh a d Grenzech

Twenty-one infants were exam ned immediately after delivery and to children under a y ar of age The vaginal secretion was impalerred to Schott intiller's blood agar plates. It was shown that the breteria enter the vaginal secretion during the first few d 3s of life Generally colomes developed after The bacill most frequently found the second day were streptococes staphylococes colon bacilli and sagmal bacult revels gram negative colon like rods micrococcus tetragonus different atrains of saccharomyces anaerobic atreptococci staphylococcus parvulus bacillus ham philus, end bacillus bifidus

The secretion of the injust a sugma does not show any subsistory effect on the growth of progeme bacteria Hamol sis was acquired and lost during the cause of the examinations od seems to be a variable fermentative quality f the butteria which is an e pression of increased I fe energy in an in dividual strain. It is very probable that the flora of the mother influences the secretion of the child The frequency of streptococci shows that the me dium is important

The intestinal bacteria influence the vaginal flors very little for the first in e days. Barulus bifiles the typical berill found to the nurshing s stools was ne er found in the vaging f the ew born h le in the old r chil hen the imest al bacteria made up a half of the vags al once. The results indicate that there is no autoclean ng of the STOLE Lugar

MISCELLANEOUS

Von Graff E Basedow's Disease as a Contra-indication to Cynecological Refutgen Treat rents (the Basedowske kar laft as kontra-tadianton peren grahkological Rentgenth rapic) is at the contract of the contract of the By Zentralid I diges Gyall Ceburtah d Crement

The uthor observed in many ea a where myoma

ts I the uterus were treated by rontgen rays th t symptoms of B sedow dusc se were m n fested after the treatment | fe therefore comes to the con chason that rontgeo treatment should or be u ed when there are the slightest signs of a 1 nd cy to B sedow discuse Small doses of rontge ray will probably h ve n effect n the Basedow disease but large doses which temporarily exclude the | n tion of the coarses will lead to o u k of B don's brease where there i a predispost in t and will also hive so u favorable fie t on a rudy u g Basedo s d sease

Op t , E. Treatment of Sterility in the Female (Uber Behandlung der webhehen Unfruchtbarkent) Therah d Gege 1914 lv 4 By Zentralbi I d ges Gynak u Geburtsh s d Greuzgeb

In half the cases the man at responsible and in punhably so per cent of the cases there is sheene or death of the spermatons. Offers the mea are the last horn in families with numerou elablices to it is possible that they have not unbernted sit on the possible that they have not unbernted sit officient statis. In primary sterility of the woman con intuitional causes congenital and acquired are emphasized Anaemisa are of great importance also obesity which may be of thyroid origin. Two cases were successfully treated with soldoblyrin Infantisism is important but seute anteflexion is a normal condition in the virgin.

In dysmenorrhors general treatment should he tried first only in older persons should the cervix

be dilated and a Fehling's glass tube inserted until after the next menstruation Among local eauses he mentions the obscure cases in whi h pregnancy occurs after the removal of a small undateral ovarian tumor He operated on the tube three times without auccess. In one case an abno mally long tube seemed to have caused repeated tubal preg nancies with early abortion and therefore childlessness \ormal pregnancy occurred after resection of a mere of the tube in which the remnants of an ovum were found. If there is tough mucus in the cervix the cervical mucous membrane hould be cautenzed and general treatment given especially for constipation Opita has had no opportunity for ritheral impregnation Secondary sterility is much more unusual, treatment a seldom possible and rarely desired. There are oft n constitutional causes for repeated abort on First general treat ment should be go en and then according to Lomer potassi m iodide o per day and iron Syphilis is less frequently responsible when t is prematur del very generally occurs In such cases mercury should be given during pregnancy LERNAUVER.

hakuschkin h VI Exploratory Puncture as a M thod of Treatment in Gynecology (Die Prohepunkton is Herimattel in der Gynikologie) Zirk f Geb i k G zk 9 4 km 597 By Zentzübl i d gis Gwala u. Geburtah s d Greungeb

Exploratory puncture of th posterior vagual will be an on ally diagnostic but therape to value it is best perf med over the finger with a speculum holding be the interior vagual wall very freque til after the e plo atory puncture of pelvic evudates and filtrations the temperature falls and the inflammatory product re also bed These in orable changes are due less the emptying out of small quantity feword to the includent analogous to Ber by personne With a suggestion of the orable resulting the suggestion of the conduction and extra the treatment of old antopenioneal the concentrations of the suggestion of the suggestion of the production of extra protocolie due dotted to the treatment of old antopenioneal and extra periodoxid evaduates.

Bachrach M. Assimifation Pefris at th Heider berg Und eraity Cymeological Claule (Die Assimistionsbecken der III delberger U. ersit ts-Fraumkinik). Zi hr f Geb i h u Gy h 9 3 gy-Zentralbi. I d ges Gynak u Gebutub z. d Grenageb

The form of pelvis known as assimilation

pelvis arises from disturbances in the embryonic desclopment of the bones forming the pelvis that the vertebre forms g the sacrum and the shum Normally in the feetus there are 3 vertehree and the synostosis to form the sacrum begins at the twenty sixth But varying numbers of vertehree may be assim lated the synostorie heginning somet roes as high as the twenty fourth or as low as the twenty eighth whence arise the various forms of assimilation pelvis. Many of these pelves have no pathological ugnificance in obstetrics and there fore escape diagnosis and are only recognized on exact measurement by their configuration a d pro portions There are five types (1) the high () the trans ersely contracted (3) the flat middle pelvis in which there i a shortening of the conjugata media (4) the low and (5) the asymmetrical

The mot i frequent forms are the asymm triesl and the high the latter being cha acterized by the high possition of the promonitory and sight technistion of the pelvis. The low form abows a low posttion of the promonitory and a matked transverse conca e-head of the acterial.

course, sends of the extreme from the specument at the first time of the course of the

Moos, S. Experience in Intra enous Injection of Arthdigon in Conordrata in Women (Erichtun gea uber untra enoce Arthuponnjektionen, bu der Conordrop de W. inde). M. tack f. Gebun h. w Op als q. a. exist, 333 By Zentralbi f. d. gra Gynal. u Geburth s. d. Grenzgeb

In 3 cases 1 tra enous injections of arthingon were osed for dangeouse purpose. There is a cert in value in into enous injection of arthingon but the findings in women are not so constant that way a stoolnety certain conclusions can be drawn from them. After the int avenous injection of arthingon them. After the int avenous injection of experimental them after the introduction of women a rase of imperature but the best done for women a rase of imperature and in the best done for women a rase of imperature and in the cases in much more probable. In 17 cases untravenous inject on of arthingon was used for therepeate the purposes. The method shows no may ked advance over inframuscular vaccination may ked advance over inframuscular vaccination and the teatmost previously in use.

PREGNANCY AND ITS COMPLICATIONS

Orioff A N : Ethology of Extra Uterina Pregnancy

[B] (Zur Atiology der Ext ten gravid iat) Ver

Y hadl d m P g f Kong St Petersb 1913 1.

By Zentralbi I d ges. Gynäk a Geburtah s. d. Grensgeb

Extra aterine pragnancy is as common among the peasantry of Russia as among the city dwellers The most fraquent causes are inflammatory diseases of the adnexa and pelvic pentoneum from abortion puerperal infection, and appendicitis The mechanical theory that the migration of the ovum is hindered by inflammators processes or congenital hypoplasia does not explain all cases of entra uterine rimplantation If the adnexa are unchanged the cause of the extra aterine pregnancy roast be sought in the neum itself Excessive migration of the ovum is rarely the cause of extra atenne preg nancy Lactation atrophy of the tubes in long continued parsing is a frequent cause Diagnous is easy from the history a d findings Exploratory puncture is unly rarely demanded The best treatment is removal by laparotomy MARARA 37

Grusdjew W. S. Extra Uterina Pregn acy (Z. Frags der Futrauten graufstät) i ob ül a. P. g. f. ko. g. St. Pet rab. 1913. u. 435. B. Zentralb i d. gen Gynak. Geburtah. d. Grenneth.

Abderhalden's pregnancy reaction fails o the differential diagnosis of extra uterine pregnancy In three cases where a diagnosis of tira uterine pregnancy was mad from the history and the local findings the reaction was posits e The diagnosis was confirmed by operation in only two of the cases In the third case only raffammatory changes were found A case of bilateral tubal pregnancy is reported both ova were from one ovulation period In one take abortion had taken place ea ly while in the other pregnancy had persisted three months It was complicated with appendicties The operation was begun by posterior colpoting but ans tomical changes and comous hamorrhage compelled the application of a tampon and the continuance of the operat on by laparotomy A case of tors on of the pedicle in tabal pregnancy is reported Torsion of the pedicle may cause tabal abortion it may cause secondary hemorrhage alter death of the ovum or reactive persionitis with awell ng of the tamor S AFREL

Mapes, C. C. Ovarian Gestation Am J 5 g 914 xxviii 9 By Surg Gynec & Obst

Mapes in his article extens vely reviews the literatura on ovarian gestation and go es several case reports from the literatura In his opmon ovarian gestation occar probably more frequently than is asually helieved. He is inclined to believe that "blood eys! at the ovary rupture of the ovary and pelvic hematocele may have for they etology ovarian gestation.

E CESE CARS

Druskin S. J Extraperitonal Cassarean Section with Report of a Case J Am M A r 914 km, 383 By Surg Gyner & Obst

The author reports a case in which the patient a ammpara aged 27 with a generally contracted pel is had been in labor start three hours before the operation. The estrapent neal method was indicated as the membrana were motared a differhad been see orst warmal examination.

The technique which the aothin follows is the combined Latriho-Sellheim method. The ander lying p inciple is the separation of the bladder in one aide (Lat Lu) and the separation of the bladder in deficiel and more time consumed. The difficult and more time consumed The author believes that the patients suffer less shift in the advantages of the person and the patients suffer less shift in the patients suffer less shift in the fact that the extraperioneal section en les person and when it would no longer be safe to do the chast of lotters and when it would no longer be safe to do the chast of lotters and on. C. II. D is

Nürnberger L. Study of Piacenta Pravila Especial ly Flacenta Pravila Accreta (Lut hen taus d Flacenta pravia speculi de placenta pra ua re tal Priett E pius d G isorita Gy de u 4. By Zentinibi f d. ges Gyalt u Geburtah s d (rengeh

The ambor presents two cases. In the first case the across was removed in the third month. I prag nancy firs subserious systems. At a times at the could be demonstrated both in croscop cally a dimensiongically. The apper third I is recall a based typeral development and attention. Between this past success, who the carbon the control of the resultance of of the re

The abnormal insertion of the ovum and the ex tensive chorionic invasion aline could not have caused the extreme degree of adhesion between the plarents and the wall of the uterus as is shown by a comparative study of the conditions in other pla renta przevia cases and in tubal pregnancy must agree with Baisch in considering the great changes described abo e in the decidua and uterus on which the normal mechanism of the separation of the placenta depends as responsible for the origin of placenta accreta Moreover the deposition of chorionie elements in the normally close texture of the myometrium leads to a change in its statics and therefore to hypofun tion The advanced parenchy matous degeneration of the myometrium is prob bly explained by the chemical ferment tive effect of the chorionic epithelium

Reinhardt E Danger of Tamponing on Pia centa Prævin (Übe die Gefahren der Tamponade be Piacenta prævia) Zeatr IM f G, dk 9 4 xxxv 68

By Zentralbi f d ges. Gynal. a Geburtab e d Grenzgeb

Among 276 cases of placents previa treated during the last ten years at the Dresder Gy necological clin c 1 w re admitted to the hospital infection grant of the control of the property of th

not tampaned The morbid ty and m rtal ty in the tamponed cases is not ceably highe but tamponing and infection are not synonymous terms W th very threat ening hæmorrhage and the os almost or entirely closed the tampon cannot always he a orded n practice In moderate hamorrhage exam nation should he made externally or rectally not vaginally a d the woman taken in the hospital without tam poming 1 5 gr of morphine should be njected to decrease the activity of the pains If with moderate hemorrhage placenta prævis is not demonstrated it would be a great mist Le in tampon If tampon ing is absolutely necessary it should be done with as carei l asepsis as an obstetrical operation. Stenle gauze should be used that has been dipped in a mild perm nga at or lum solution VERESEY.

Ebeler F Tuberculosi and Pregnancy (T be Lulose und Schwangerschaft) Frakt E g b & Geb st h Gy ak 9 4 v1 87
By Zentralhi f d ges Gynak u G burtah d Grenzgeb

The bterature of the present st tus of the question of tuherculosis and pregnancy is reviewed especially the different and frequently opposed was all minvalual authors in regard to abortion for tuberculous. Tharty two cases of maniest tuber culouss with pregnancy are described. The author recommends abortion unconditionally in every stage of tuberculouss and in every month of pregnancy. The prospects in the third stage of tuberculous are very bad. In three-fourths of bis cases in the first and second stages the author saw a marked improvement in the objective lung symptoms. It thinks the best method of interruption of pregnancy and attributions in vagonal simputs on of the body and attributions in vagonal simputs on of the body emmended by Bumm. After the abortions animar un trestiment is undiscensible. Darsa:

Wobus, R. E. Pyelltis Complicating Pregnancy

J. Mu. rs. St. M. Aut. 9 4 4 6

By Surg. Gance, & Obst.

Pychias and pyclonephrona are often overlooked euher through lack of careful examination or through ignorance of the ensistence of this uncommon condition. They have not received the attention they deserve. After discussing the subject from the classical standpoint and taking up the treatment the author comes to the following conclusions:

Pychtis is not an infrequent complication of pregnancy

2 Its diagnosis is often overlooked at nny

3 in most cases at can be held an abeyance by means of unnary septies prope ly administered 4 Many cases of so called pyrelits of pregnancy are simply old cases of unnary infection which have become active to the add ton of the added factor of pregnancy and should be considered so until proved nitherwise EDWARD I. CONNELL.

Du ham J G Gall-Stones Complicating Preg nancy — Six Cases S thern M J 9 4 u 389 By Surg Gynec & Obst

Graham brefly discusses the occurrent of gall stones in namen during pregnancy and the puerpe mum. He considers the symptomatology diagnosis and treatment. In the treatment the proper course to follow is to disregard the pregnancy and it at the patient according in the gall stone indicate tom. Midd cases can be tided over by medical teatment but if the gall stone shecome nigent it is necessary to operate at once. Pus in the gall blodded accompanied by chills fever pain and paunifice will produce immearing. The particular the particular that the particular that

prepanery

The anthor reports three cases compl cat g preg
nancy and three complicating the purper um. In
those cases compl cating pregnancy one patient
those cases compl cating pregnancy one patient
ded following rupture of the gall bladde while
the other tan recovered and sent on in full term
The three cases occuring during the pureprisum all

recovered from the operation one of them however developed attacks of biliary col c three months later due to a stone which was floating in the common duct Operation two years later was followed by uncontrollable hamorehage on the second day with death Pont n L Cor rut.

Saunders, C. A 1 The Management of Pregnancy Labor and th Puerperium 1:1 II Sm Vonth 0 4 x 60 By 8 rg Cypec & Obst

The author gives a general discussion of his care of the pregnant woman and submits the following data He has d l , red 235 multipara and 225 primipars: of these 7 were negroes. He has used forceps 16 times. There were 17 tesre of the peri neum requiring from three to seven statches and a complete tears. There were y blue balues and 3 stillborn The hand was inserted in the aterus 3 times He reports 8 murs of twins. There was a slight post partum hamourhage ta two cases One minther died rether su idenly on the twelfth lay the cause of death not being given. He had no cases of sensus ophthalmin monatorum alrects of the breast cracked app les & sured appl or mastitis He h s had ao ecismpaia C 11 13tyre

Schauta P Charl n Tumors and Freenancy (Charight me and Grand Little II on mod It hands

By Zentrallid I d ges Canak u Geburish s d (reaseeb Every a man tunt r that t d reposed al publ he removed by operation because of the large percent age of mil great degeneration. The coes at nee of pregnancy locs ant alter this rule. The frequency of ovarian tumors and the ranty of pregnancy ocarst ing with them sh wa that the turn tot all present pregasn y During pregn n y th y grow rapedly lik all tum rs. They min u aborts n because of limiting the space for the growth of the uterus They may rise out of the tru pelvis ris t depend ing na their mulality If they do not nice a acrount at ri re with I bot of in y of auhest n they m rupture. This I age may be as tled by perform ing creation ection emplaing the tumor by punct re or hy riy reposition. The latter is often impos thic because of a like tons and dangerous be cause ant to be complicated by hamorrhage. In the puerpersum a uterine salect on may extea 1 to the tumor nd cause se ere disc se Therefore oracian cysts th t are liscov red dunag labor shoul I be removed during the pu spenumes a if they cause no symptoms

Piscal k L : Dt erticulum of th Uterus and it R tation to Pregnancy (Che L: ru d' rulei ad hee Reu h ng behwa gersch ft) Gy ak

tly Zentrallal I d ges Canal Geburtah d Grenageb

A 45 year old VII para ded of rupture of the uterus mm drately below the contraction ring. The pelv s was normal in her six preceding dei erica the placents h d been separated macoally in the specimen a cm from the entrance of the left tube there was a projection the size of a cherry with all. as thin as paper The surface was formed by pen toneum and there was a crater shaped defect in the uterine muscle corre ponding to its unner surfere Vest the entrance of the right tube there sas another projection corresponding to a shallow depression on the inside of the uterus venture of these places corresponded In the insertion of the placents which was 4 or 5 cm away from them.

The author coul I not find any cases in the litere ture that were similar anatomically and in which there was satre uterine pregnincy Bruse 1989 reported a case that was a miler chalcally A IV rora ha la placenta prayra with a transverse presentation on external palpation it f it a if the arm of the futus was projecting nut of the fundus ofen and a gap was found I in the uterine muscle that a d matted two finger tips The author believes that his case of diverticulum was caused by the removal of a piece of the muscle wall in one of the previous separations of the placents. The veucular project tion was so artificial product of the overperal retrection of the wall of the uterus

Ladisturbed latre uterioe pregnanty is a m re change in hiericulum of the of tue Thue f r six cases have been described. The other ducusses symptoms, diagnoses a l'anatomical find ngs in the in lividual cases : He regards Schickele a case as und sitedly a re e of diversiculum prem acy while freunds and fiellends a re excesse di verticulum like projections of the fundus a d Sparth and Barchet only assumed a de erriculum

DICED 10C3 The chi I factors : the etiology are injuries with instruments or the hand la separal og the pi reats o emplying the ut rus siter borito s a d injury toth mu cle by se cre endom traus Hydatid form moles a d poorly healed scars from casarean section Los Marses may also be responsible

LABOR AND ITS COMPLICATIONS

Th Problem of U log Oxstocie Gillery W Drugs During Labor Law ! U 10 4 cm

573 In this paper the a thor opposes the use of oxy tone drugs generally and a best tes i reeps del very a more rational procedure when toterf rence is

necessary

H apphysises the fact that the pterior sinuses are very much larger than the vessel feeding them and that the ry thrac utenne contrections from the time of conceptse to delivery are absol t ! nec essary to the life of the fectus C asequeotly o stocke drugs all of which cause more r less dis turbance in this alternate contraction and relaxa

tron of the uterme must lature are da gerous to in it at the came and the property of the there is a se ert electrations of the petimenm. On the there had a strum it in the hands of an int ligant man are

lococci can very quielly acquire hemolytic proper Hery

Tellair J H.; Complete Inversion of the Uterus Following Delivery V) V J 9 4 xur 23: By Surg Gyace & Obst

The author reports a case of complete inversion of the utrus in a primipara who was delivered of a full term child ten hours before admission to the hospital Her condition was so desperate that saline losusion Murphy drip, and stimulants were given previous to operation. Under an anarchetic it was impossible to delate the cervical constriction through the abdominal wall, and by start g pressure upused on the right lateral wall of the uterus it was possible to gradually replace the uterus. The pterus was then packed with gauge. The patient left the hospital on the third day against advice and shed on the seventh day after delivery

kreiss, P: The Treatment of Post Partum Hosen-orthage by the lotts enous Injection of Hypenhysin (D. Beltapping de post partie Bi to groducia soits color Hypenhysical post Zoni Bi (5) sk 0 4 km (f. By Zeutsalbl. i d ges Gynak u Geburtak, d. Grengub

Basing his conclusions on 10 cases, Kreess recom mends the intravenous injection of hypophysia for the treatment of post partum hamorrhage. The and dual dose is o 5 to r com for most people o 5 and quast uses to 5 to r term for most people of cern is enough. The injection should be made as slowly as possible. Collapse following it need not be teared. The patterns recover querly. The effect appears querly e ra while the injection is her g g en. Areas also recommends its combination. with ergotic preparations which has also been recom-mended by other authors \ further advantage of hypophysin is that the composition is alw ys the same and therefore the effect is always the same In conclusion be condemns tenoun which he thinks is a dangerous preparation, shhough it is chemically purer than it formerly was

MISCELLANEOUS

Meyer-Riess, II : Pertilization and Implantation of th Haman Orum (Langes wher Befrucht ag od he betjung des menschliche Etea) Cor B

f schoer feel 9 4 th 57 By Zentralbl. f d. ges Gynak u Geburtah d Grenngeb

The article conta as n exact description of the anatomical structure of the ov nes ovulation the structure of the interstitual ovarian glands the function of the corpus I leum, the anatomical structure of the uterine roucou membrane and the changes in I during meastrust un and implantation There is a discussion of the relation between oval tion a d menstrustion, and the different processes that i Le place in impregnation, migr tion, and implantation of the fertilized ovum. The diff rent possibilities are reviewed that may lead to uregu

360 cases of eclampsia. The treatment began with chloreform narrosss and the administration of large doses of morphine and rhloral by i on i cit a method, then accepting the placental theory of the cause of eclampus, the treatment was changed to early and rapid delivery Dubrisen a taginal ca sartan section giving the best results. It must be remembered that the results of this method depend not on the num ber of attacks but on the time which has elapsed

between the first attack and the delivery Stroganoss a thod resembles a return to bon tents It is a prophylactic method the chief point of which is Io guard against further attacks occurring rather than to treat during the attack Schiller modifies this expectant treatment by emphasizing the importance of the primary blood leiling as a curative meason. lecording to Schiller's expen ence there is still a balance between the active and expectant methods of treatment as in ey ry case there are numerous factors to be taken into con Sideration that may decide for the one or the other method Latreme measures are successful only in exceptional cases In eclampata as in other things, the middle course is salest

bellamann S. Etlology of Endogenous Puerperal Infection (dur Attologie der endogenen luc peralini kison) Zieder f Gebetick G ak

1924 leav 548
By Zentralid I d get, Gynth, u. Geburtch a. d Grenogeh.

In 1911 1912 Goldstrom made bacteriological examinations of a series of taginal secretions and in tors rots Schgmann made accurate tables of a series of taus confirming Coldstrom a results that is that it makes no difference in the prognous of the puerpersum shether there are streptococci present in the lower third of the tagina during labor or not when exam nation is exclusively rectal Also the number of streptococet in the vaginal scoretion of parturent women and whether they are hamolytic or oot makes no that reoce as shown by these examinate as Store to women examined only per rectum neither the presence nor the oun ber of goodcore influences the co-rise of the puer persum other factors must be sought in the causa tion of endogenous puerpetal infection.

Rublitachenko, I... Puerperal Staphylococcus bepals (Über puerpe als Staphylokokkenvepas) J Ah h ja k Bal St. P tersb 9 4 auz 45 By Zentralbi i d gra, Gynak Geburnah s d. Grangeb

Based on the reports in the literature and his own material of 5 cases in 4 of which staphylococcus aureus or albus could he demonstrated in the blood the author coroes to the following conclusions () General staphylococcus tofection is rouch more frequent than has been supposed (a) A single por tive blood examination does not indicate a severe infection it takes several positive findings to make the pregnosis serious (3) In severe cases of general infection harmolytic staphylococci ha e almost always been found (4) In the human body stanky

lantics in the development of the pregnancy whether they take place in the migration or the implantation In conclusion, a detailed description of Abderhal den's pregnancy reaction is given the practical value of which in human medicine is doubted the question of chorio-epithelioma is also touched upon FRANK STOP

Sheill S Congenital Icterus L acet Lond u 4 By Surg G3 re & Obst clex

The author raports a case of congenital saundice in which an operation was performed for its relief without success. The mother had given birth to two children previously both of which died from saundice in a few days. During pregnancy the mother had complained of pain in the engastrium which was frequent and annoyi g Her condition had been diagnosed by others as appendicitis gall stones etc After an easy delivery she complained little of her pain. The infant de eloped saundice within a few hours afte birth and steadily grew It was operated on within forty eight hours afte both and the gall tracts were fo nd to be intact and patent The gall bladder was found to contain a very viscid bile which could not flow through the lumen of the ducts The bladder was drained but the infant died within nine hours

The treatment of this form of laundice is carly operation but there is always the difficulty of recognizing the obstruction aufficiently eally to ensure a good result for the agus and aymptoms are so similar to those of simple or pseudoiaundice that the affection may have progressed beyond the possibility of racovery before the obstruction he suspected and a dilated sall hladd annot always be palpeted with certainty Moreover the obstruction is not always amenable to operation as the process may ha e spread deeply through the b er itself. The family history f these cases helps but bttle and it is the same with the familial o he d stary form of 1 undice - a rare form the pathology of wh ch is far from heing clearly understood

EDWARD L CORVELL

Blair V P Th Treatment of a Cas of Burth Fractur of th Shaft of the Femur S g Fractur on the Gynes & Ob! 9 4 '11 640
By Surg Gynes & Ob t

Fo the trestment of a birth fracture of the femur

the autho presents a satisfactory splint cut if gal an zed at el of the we ght used for ho se gutters There is a body portion reaching from the greate trochante of the femu to the asilla and en elone z the back and both sides fitting faily lose small buttress maintains the stability f the body portion by resting squs ely on the bed | The th gh portion corresponds with the normal posit in of a bahy's thigh flexed on the abdomen The leg part of the spliot is longer than the infant's leg, par liel with the bed and its low r border is bent mesially to form a small shelf

The sphot is heavily padded and the haby is laid

in the body portion resting there simply by ita weight while the thigh and leg after being covered with cotton are handaged to the splint. This is removed and raapplied every day at the time the baby is bathed and powdered the nurse requiring some one for the first few days to hold the injured hmb a position

The haby upon whom this was tried suffered no inconvenience and in four weeks the umon was firm and in excellent position

Klotz R: A Case of Acardiac Anencephalus with Partial Absence of Both Muller a Ducts (Ein Fall von Arardius anencephal a m t partiellem Df Lt besder Mullerschen Fade) Arch f

G) at 0 4, G 537

By Zentralbi f d ges Gynal, u Geburtsh d Grenzereb The length of the specimen was 15 cm. The head and upper extremities were lacking - holocardus acenhalus tabpes equinovarus was present on both sides there were irregularities in the toes only the 7 lower ribs were present and they were ruch mentary above the seventh thoracic vertebra there was only a bone 1 cm long not divided nto vertebrae the apinal cord being present up to this place the large intest e was short open ng outward normally the ermiform appendix was present of the small intestine there was only n piece a mm long back of the pentoneum there was a horse shoe kidney open ng downward the ureters w re normal on both sides along the spinal cord were large arteries and cans and between them an organ half as large as a pea that could not be racognized even microscopically Ther were three essels n the umbilical cord and there were overes on both sides as shown by micro scome examination Laterally the tubes extended as solid cords fine cords estend ng from the ovary represented the ovarian ligament which disappear d in the caudal direction macroscopically nothing could he seen of the round hgament the vesico rectal pouch was very deep the bladder was small the external genutaha were feminine ther was no

vaging no mullerian ducts could he I und the The author helieves this is the first case of almost total absence of both mullerran ducts and thinks this is to he explained by the early destruction of the wolffian duct The acardia is esplained by am notic adhesions

pelvis was normal in the rontgen picture

Letbowttsch J The Frequency of Giant Children and Their Significance in Obstetrice (Die Ha figkeit und geburt-hilfliche Bed t g der Riesenkinder) M natschr f G burt h

G) at q 4 xxxx 6

By Zentralbi f d ges. Gynak u. Geburtsh a d Grenzgeh

Some authors h ve designated as giant children all those we glung ove 4 000 gms although their buth does not generally show the charact ristics peculiar to the deli ery of giant children author p oposes to designate childr n weighing

r 4 400 gms as abnormally large and those

36c case of eclumpus. The treatment began with chordorem artscores and the administration of large dows of morphuse and others by the treatment of the then accepting the placental theory of the method, then accepting the placental theory of the archive eclampus, the treatment was changed to entry and rapid delivery. Dubinsen is vapual exactors giving the best results. It must be remembered that the results of this method depend yot on the number of stacks but on the time which has elapsed between the first attack and the delivery.

Stroganoff's method resembles a return to Voo vert a R is a prophylactic method the chief possiof which is to guard against further attacks occurring rather than to treat during the attack. Schiller modifies this expectant treatment by emphasizing currative measure. According to Schiller's experence there is still a balance between the active and expectant methods of treatment as in every case there are numerous factors to be taken into consideration that may decade for the one or the other method. Extreme measures are successful only in a method. Extreme measures are successful only in the method course as after.

Seligimann S. Etiology of Endogenou Puerperal Infection (Zur Ausloge der endogenou Puerperadot kuon) Zuker f Go ish a Gask

gra bary 548

By Zentralbi f d. gen Gynal. n Geburtsh d Grenngeb

In 1911— 11 Goldstrom and hacterological crammations of a series of sugnal ascretiones and in 1912—1913 Sedigmann made accurate tables of a 1912—1914 Sedigmann made accurate tables of a 1912—1914 Sedigmann made accurate tables of a 1912—1914 Sedigmann made accurate tables of the 1914 Sedigmann of the purpose of the purpose of the 1914 Sedigmann of the purpose of the 1914 Sedigmann of preturnent women and whether they are themsolytic or not make no difference as shown by these examinations. Since in women examined only per rection to these to difference so shown a by these examinations. Since in women examined only per rection to these to difference as shown a by these examinations. Since in women examined only per rection to these the presence por the number of the 1914 Sedigmann of the 1914 Sedigmann of the 1914 Sedigmann of the 1914 Sedigmann per 1914 Sedigmann of end genous purportal algebron. Bares.

Bublitachenko I., Puerperal Staphylococcus Seps a (Über puerperale Staphylokokkensepsa) J Ak k 1 nuk Beller St Petersb 9 4, xxx, 45 By Zentralbi i d ges. Gynak n. Geburtsb. a d. Greuageb

Based on the reports an the literature and has own maternal of 5 case in a 46 which staphylococcus aureus or albus could be demonstrated in the blood the author comes to the following conclusors (t) General staphylococcus infection is much more frequent than has been supported moderness (t) General staphylococcus infection in takes several point we findings to substitute the prognous seneous (1) in severa cases of general infection hemolyt c taphylococci, hew almost laways here found (4) list the huma body staphy

fococci can very quickly acquire haemolytic proper

Telfair J II. Complete inversion of the Uterus Following Del very V Y II J 9 4 km 83 By Surg Gyner & Obst

The author reports a case of complete inversion of the uterus are primipara how was delivered of a full-term child ten hours before admission to the hospital. He condition was so desperate that sahner infusion. Murphy drip and simulates were given previous to operation. Under an anesthetic it was impossible to distret the cervical constriction through the administral was impossible to distret the cervical construction to the right threat wall of the turns at myself or the right threat wall of the turns are presented in the right threat wall of the turns at the necessary was the present the part of the control was then packed with gause. The patient left the hospital on the third day equast advice and dred on the seventh day stirr delivery.

C II DAVIS

FEAN

Kreiss P The Treatment (Poet Partum Henry orthage, by the Intra enous Injection of Hypophysin (the Bismplung der post partage Bi tungen durch: (revenue Hypophysams) kino) Zantalii [6] R 04, Zerus 19 By Zantalii [6] ga Gyak Geburts. d Grengeh

Basing his conditions to a to cases, kernes recommental his intrivenous spection of hypophysin for the treatment of post-partium kermentage. The undurdual does to a to a to acc for most peopl of case as enough. The injection abould be made as slowly as poss ble. Collagas following a need not be leared. The patients recover quickly. The effect appears quickly even while the injections is feel gaten. Kreuss also recommends it combination with egyptin preparations which has also been recommended by other units of composition as always the hypophysis and the composition is always the hypophysis and the composition is always the large continuous be condemns tenorus which be thinks in a chargement proparation, although it is chemically

MISCELLANEOUS

purer than it formerly was

Meyer-Ruegg, H: Fertilezation and Implantati n
of the Human Orom (Em era be Beirucht ag
und Embettung des menschiche Lies) Cor Bl
f sch ct. dm. 9 4 th 57
By Jontsalbi I d gm. Gynik. Geburish. d. Grenzgeb

The attacks contains an exact descriptio f the authorities are street for the or nee, ovulation the authorities of the streetstraid or nam glands the function of the sortestitual or nam glands the function of the corpus I to m, the anat mucal structure of the uterne success membrane and the changes in thungs mentionate and inspiration and inspiration and inspiration and district processes to an admension of the structure of the uterne to another the success of the structure of

lanties in the development of the pregnancy whether they take place in the migration or the implantation In conclusion a d tailed description of Abderhal den's pregnancy reaction is given the practical value of which in human medicine is doubt d the question of choro-epithelioma : also touched upon FRANKLINGTEIN.

Shelli S Congenital Icterus, Line I L nd 1014 By Surg Gy re & Ohat dxxv1 13 6

The author reports o case of congcostal saundice to which an operation was performed for its relief without success. The mother had given birth to two children previou ly both of which died from saundice to a few days. During pregnaocy the mother had complained of pain in the ep gastrium which was frequent and anony og II r condition had been diagnosed by others a appendicitis gall stones etc Mer ao casy lebyers he complained bttle of her pain. The infaot developed jaund ce within a few hours after birth and steadily grew It was pe ated on within fort) eight hours after buth and the gall tracts were found to be fotact and patent. The gall bladder was found to to send lak which could not flow through the lumen of the lucts The bladder was drained but the tof nt died within rune h ura

The trestment of this form of jaundice a early oper tion but the e is alway the difficulty of recognizing the obstruction a flictently arly to ensure a good e ult f r the signs and symptoms are so amilar to those of sample or pseudojuand ce that the affection may have progressed beyind the possibility of recovery before the obstruction be suspected and a dilated gall bladde annot always he palpated with certainty. Moreover the ob-struction is not always ame able to ope at oo as the p ocess may ha e spread deeply th ough the liver itself The family history of these cases helps I ut little and it is the sam with the familial o bered story form of 1 undice - a rare form the path logy of which is f from being learly understood

EDWARD L COR LET

Blair V P The Treatment of a Case of Birth Fractura of th Shaft of th Femur 5 r Gine & Obst 9 4 By Surg Gyner & Obst

For the treatment of a barth fracture of the femur the author presents a satisfactory plint cut of galvanized steel of the weight used f r house gutters There is a body portion earling from the prester trochanter of the femur to the osilla and eoveloping the back and both side fitting fai ly close small buttress meintal s the stability of the body

portion by restion squar ly on the bed. The thigh portion co esponds with the normal posit on of a baby a thigh flexed on the belomen. The leg part of the plant is longer than the plants leg parallel with the bed and its lou r bo der is beet messally to form a small shell

The sphot is h s ily padded and the baby is laid

in the body portion resting there simply by its weight while the thigh and leg after being covered with cotton are bandaged to the sphut remo ed and reapplied every day at the time the baby is bathed and powdered the nurse recu nog some one for the first few days to hold the 1 mired limb in position.

The baby upon whom this was tried suffered oo enconvenience and in four weeks the union was firm

and in excellent position

Klotz R. A Case of Acardiac Anencephalus w rh Partial Absence of Both Müller's Ducts (Ean P ii on \ rds nencephal m t partiellem Def Lt be dr M Hersch o Laden) G) k 0 4 ct, 537
By Zentralbl f d ges Gynal, u G burtsh s d Grenzgeb

The length of the specimeo was 15 cm. The head and upper estremutes were lacking - holocardus acephalus tabous compovarus was present on both sides there were irregularities in the toes only the 7 lower ribs were present and they were rudi mentary above the seventh thorseic vertebra there was only a hone 1 cm lo g not divided into vertebrae the spinal cord heing present up to this place the large intestine was short opening outward normally the erm form appendix was present of the small ntestine there was only a piece a mm long back of the perstoneum there was a horse shoe ki liney open ng dowoward the unters were normal on both sides along the somal cord were large arteries and e o and between them an organ half as laren as a pea that could not be recognized even microscopically There were three \ ssels n the umb heal cord and there were ovaries on both sides, as shown by micro scopic examination Laterally the tubes estended as solid cords fine cords extending from the o ry epresented the ovariao bgameot which disappeared in the caudal direction macroscopically nothing ould be seen of the round hyameot the vesico rectal pou h was very deep the bladder was small the external genetalia were ferminine there was no agma no mullerian ducts could be found the

pel s was normal to the rontgen picture The author behaves this is the first case of almost total absence of both mullerso ducts, and thicks this is to be explained by the early destruction of the

wolffian duct The acardia is caplained by amniotic adhesions

Lepbowtisch J: The Frequency of Giant Children and Their Significance in Obst trics (D. Ha fighett und geburtshilliche Bed tung der Resenk nder) if sitch f Gebrit.

KERMAUNE

C) ak G) ak 94 kx ix 6
By Zeatralbi f d ges Gynak u Geburtsh s d Grenzgeb.

Some authors have designated os graot children all those we ghing or r 4,000 gms altho gh their birth does not generally show the characterist cs peculiar to the debvery of giant children The author proposes to designate children weighing over 4,400 gms as abnormally large and those

ROTHE

weighing more than 5,000 gms. as giant children. His case was thet of a 36-year old VIII para who two years before had been dels ered of a macerated child weighing 6 750 gms When the author was called for the delivery under consideration the head was already born and he extracted a child weighing 6 50 gma 65 em long head circumference 37 cm shoulder circumference 47 cm Giant ehildren are home most frequently by mathers of advanced age atrong constitution and good state of nutrition frequently the pelves are larger than normal. There is a marked preponderance of boya

Among 15,000 deliveries there were on abnormally large children, 75 per cent f them hose 15 per cent were born dead Among the 15 000 there were 6 guant children All were artificially delivered the mothers were over 30 and multiparse. The

mortality is not given

Rongy A. J and Arluck S S Pitultrin By Surg Cyne & Obst. 924 XXX 878

liter a careful study of pituitrin in 300 cases, the authors draw the following conclusions Pituitrin does not induca labor pains

It should not be used in the carly part of the first stage of labor for its action is too tran

3 It should not be used in complete mertia because of danger of rupture of the uterus a It is contra indicated in cases of di tocia

due to malpourson or contracted pelvis g It should never be used in cases in which a sudden rise of blood pressure might pro e dan

ecrous 6 A single dose of patuiting may be used as an adjustant in cases where premiancy is interrupted ther by a catheter or bag and only when con

tractions of the ut rus ha c almady set in 7 It should be used only in cases in which the carvix is dilat d or dilatable and the presenting

part is engaged in the privic outlet 8 It should be used eautously in cases to which the fatal heart sounds are feeble o arregular

o It should nev be used unless a general anasthetic is within cast reach for the contractions may become so solent that runture of the uterus becomes imminent

The nuthors recommend the use of morphine hypodermat cally in cases of mertia. It a seldom found to be source of danger to the child even when is ge doses are given Morphine in addition to induci g rest and aleep relaxes the circular muscle of the cervi a d thus h lps d latation

CHD 18

Anderson L l' Citrical Experience with Pituitrin in Obstetrics. B fal W J 9 4 his 6 4
By Surg Gyace & Obst

The auth r quotes atracts from earlier reports lay rable to the ande use of pituitrin in obstetrics He has used it in some aixty fi e cases with oo un

favorable results. He gaves a brief history of ten young primipage in whom the duration of labor was shortened. He concludes that pituitin is an especially valuable preparation in the practice of obstetrics on account of its producing contractions resembling the natural utenne contractions It is also a satisfactory heart tonic and blood pressure raising principle and has considerable effect on the bladder and Lidneys, renden a catheterration after childbirth unnecessary in most cases It should be handled cautiously in cases of myocarditis and marked nephritis, especially in the presence of high blood pressure - CH DAIR

W ber F : The Tampon in Obstetrics and Gyne-cology a Clinical and Bacteriological Study (Die Fampo ade 1 Geburtahil und Grafkologie Eine Linuxche und experimentell bakternologische Studie) Minicke med II in är 914, izi, 3 By Zentrabl I d gas Grank in Geburtah z. d. Grenngeb

Tamponing the uterus n atome post partum hamorrhage is generally indicated only after other methods have failed in 15 0 per crut of the cases in the Munich choic it ass followed by a puerperium with high fever In private house a here the asepsis is not so strict it should be avoided as far as possible. The same thing a true a even greater degree to hamorrhage from placenta previa h re the tampon should only he used temporarily to transporting the patie t to the ho pital the mortal

sty I the cases tamponed outside the hospital was 28 c per cant

The tampon t and rated in treating abortion that has already begun less so in the induction of artificial abortion or premature labor. In graccology the author recommends the tampon after extensive intra-abdominal operations, and in discrept tumors where accurate himostasis cann t be accomplished he carries the tampon through Do giss pouth and out at the tagens. Tru draining does not take place once the secretion from the wound becomes atagnant in the upper part of the tampo while the lower parts remai dry theref re th tam pon as replaced fier 20 to 24 h urs by rubber rubber

lube In a large number of gynecology al nd but trical cases the author ha examin d the ca to of the uterus, bacterno.ogically before the ppl atto of the tampo and has also examined the tampon after 7 to "o hours lie found that the different kinds

of gauze auch as sodoform aeroform and dermat I If the ca ty of the uterus was t rile they rem ned sterile for bo t hours aft that ma y bact na were found The developme t of the bat ma could be

reasoured it as much a 24 h urs o l by the se f Merek a perhydrol or derm to gauze moust card with most blonde In co t ast with the sept c gauze the t mpons of st nl gauze show d

normous bacten I cont t aft

RETTS BRITAL &

Schwattzer B Lactic Acid Irrigations in Pregnancy (Uber die Berechtigung der Milchsaurespal ungen: der Sch angerschaft) Zeit alb / G) ab

914 XXXVIII 334
By Zentralbi i d ges Gynàl u. Geburtsh d Grenageb

The material used by Traugott as the basse of study of the value of lattree and impations as so different from Schweitzers material that the difference in their results is very easily replained. Schweitzer points out that the longer the urugations are begin before delivery in cases with a pathological scention the heter the proposous for the pumponent to the pumponent of the pu

Richter J and liless, V Tha Most Pavorable Aga for the Birth of the First Child (Über das i r die erst G burt gussignie Alter) W seit k f Geb i k G ik 913 xxx 625

By Zentralbi f d ges Gyal. Geburtsh s d G enugeh In order to determine the most lavorable age for

delivery the nuthern studed the enormous material of the Vienna spreacological clinic including 36 opprimipates. They die ided the primipates into 9 groups the first group including those from 3 to 6 years the mith those oc thirty. They found that the duration of labor from the severiment to the treaty fifth year was practically the same longer and after the treaty fifth its party of the treaty of the same of the treaty of the same of

Judging from the frequency of operat ons the hybiological humis for the first deli ey are sy and 5 the innesteenth and twentieth 3 are showing the lowest perce tage of operations. The you ge primp pare also how a lower material morbed by and mortality the most favorable age being from at to 16 the least favorable after 30. There as also the highest percentage of estampas in primipare over thirt; 17 per cent also e that age h ing calmpain. Placents priming also increases in primipare over thirt; 17 per cent also e that age h ing mercupant in primipare. The authors attribute mercupant in primipare. The authors attribute mercupant in primipare in the authors attribute the endometrium. which would also e places of the fact concerto of the fact of the fact operation.

Iluguier and Lorrain Hypertrophy of the Bresst in Pregnancy (Hypertrophie in miniare gradique) B U et mém Soc at de Pr o 4. By Jou aal de Carury

A wom not whose breasts we recomparate cly lage became pregnant. By the end of the fourth month the breast had become enormous and were very hard with some soft spots. The patient be one cachete and about n was induced. The

menses reappeared six weeks after the operation but the breasts remained very large and secreted milk for air rounths. At each menstrual penud they increased in size for a few days. The years later the patient noticed a lump the size of a nut in the night breast. This increased rapidly in size and the also next the beauto no number.

The breasts hung down as far as the luc crests They were soft but each contained a or hard nod The nodule ules the size of a small mandann first noticed was as large as an orange round smooth and mo able over the deep parts The skin over it was slightly adherent. There were no glands in the axills and no pain except a little engorgement and formication in the right arm. The general con dition was moderately good the skin yellowish. The breasts were removed at two operations The result was excellent the general cond tion is now good and the vellowish color has disappeared. The right hreast weighed 2 157 gms the left 506 gms. Histologically they showed the lesions of diffuse fibroadenoma but not a trace of cancer The authors then, thet pregnancy undoubtedly has an influence on hypertrophy of the hreasts. It is due to an excessive action of certain internal secretions acting on an already abnormal gland

Beard J H The Importance of Unnal) sis during Pregnancy and the S on ficance of the Poeltive Pindings III so M J o 4 xxv 96
By burg Grace & Obst

The nuthor briefly discusses the importance of unadjust during pregnancy. He takes up after majorian melituras ures and ammonia in some discussion of the opinion that the importance of the microscopie examinat on cannot be overestimated It is as a whole more dependable and more readily int spireted than the posit e chemical test. The following conclusion 5 are reached

In pregnancy so called physiological bumining ahould he regarded as indicative of renal abnormal ity and the patient watched accordingly

2 R cognition and different ation of the different types of albuminum are imperative in order that the members of the toxic group may be discovered by their gravity appreciated and proper treat

ment nst tuted

3 The infectious and mechanical types should

and to end my increased irritation of the real pitch um

A Melituna dunng pregnancy in the absence of clusted symptoms should by no means be inter preted as a sign of diabet until lactosuna ahmen tary and t ansient glycosuna have heen excluded

5 Very low urea output is a danger signal and the patient should be kept under close supervisi n 6 High ammonia may be due to increased t tal

6 High ammonia may be due to increased t tal natrogen eliminated following nitrogen retent on in airion tatharsis, t or it may also result from bacterial contamnation of the bladde and be un accompanied by any unfavorable symptoms.

to great emphasis should be placed on per centage values in determining a radical course of clinical procedure but we should be guiced by the s) inptoms, as well a the unnary hadings

8 total) sis of the urine is a means of great value in separating the safe from the hazardous cases, ad while it may not indicate shen to compt; the uterus it should I ad to the adoption of such diet hagiene and medicati n as to make inters ation unnecessary in many cases and many children would be born that oth rape would have been doomed

LOWARD L CONVELL

Tassius, A. Osytocles (Cher W benruit 1) f Gyn k 0 4 ct 513
By Centralbl. f d gen. Gynak u. Geburtah a. d. Czent.ch.

Quin ne has the heat results in the feat stage Pitu tun ju uglandol glanduitun and coluitus are the best in the second stage. Primiting c used con tlanous contractions a case which realited in one case ath death of the hill In pot partum harmorrhage access pringland land access secretorism had an excellent eff et \mo g tot cases in which putuglandol was given then were no cases of c at a Lous contraction becar ruin no Le best to pust parium hamorrhage - not a failure being reported in 135 aues Secascomin was used intraparium in 24 cases on Von flerif s recommendation In g cases there wer continuous contentions which it ulted n the death of the child in fe cases and deep as his ma twice The loves we to t com Lieramin (pera s) phenylamine) has a good ff et in the post partum tage the or

Gardland W Entract of Hypophysis as an Oxy tocic (Hyprob st extract at W beneastel) trib

Ily Zentrafbi f d gre (ynak u Geb rish a d Grenzgeb I ft) ases are reported Larger doses thin 1 gr of the infunctional gland ha e n adv glage ver smaller doses Fat tof h) poph) sat a good but not along the relable on torse to results can be capacted if labo h a n t already largum. It is not more effect; in th see ad stag than in the first It strengthens the cout a tions the first one gener ally being or mpi k and lasting as I ag as 45 minutes It 4 to puriful and may be dangerous for the hild this be g e pectally true in later coors administration. The effect takes place within an horn lumbe firet an be expected after that time In spite I pure puble strengthening of the co tractions som times there was no dia cere t of labor as na h un by repeated internal examina

tions Especially good is its effect in hastening delivery when atony is not present. The cause of the fadures was not explained. The more frequent post partam hemorrhages are not directly caused by the estract of hypophysis

Afaus II : Lee of Arkophun in Obstetnes (ther Artwendung o Astkophun in der Geburthit) If sek med it kuck 1044 in 186 By Zentralld i d. gos. Cynak u. Geburthi a. d. Grengeb

The author exports on eases becording to preyour esperiments narkophin is a useful agent for decrea ing pun to labor It has the advant ge m r pantopon of being less harmful. When used in mo leration an 'thate rarely occurs. Of the to cases of a physica observed only 3 could be thributed to this agent. All the ch laren left the class in good condition. When properly used, narkophin has only a slight effect in decreasing the force of the contrac tions, much less than pantopon It is used during delivery in the form of inj et ons 1 cm represent ing a og gr markophin or during the puerpersum in the form of tablets, a mit gr narkophin in each to BENTON

Schlipoberal, J. P.; Dell ery nithout ingleal ligamin tion (Lar France Lett a, von Gebuten char ingual L tersuch a.) P & 1 see 9 4.

By Zentralik f d gra Gynak w Gehariah a d Grenzen

There is always danger of niccion in a goal casmination and in go per e t of the cares it only urnes to follow the normal course of deh ery therefore the author calls att nit a to the rectal ex amnation pressously discussed by Ohhausen Krdmg an I buch by which information can be obtained s to the posts a f the head the pelvas the funta elles, and the skull sutures Tense membranes and

that's edges of the os r a sho be demonstrated to this as Frequently the quest on of how far the us is delated cannot be determined but Las therget sho ho by sternal exam natt the ond tion of the contraction ring can be determined and from this the degree of d latation of the os sudged. If in store of combined rect land at real examination any question of real imports rems ns unan s ered one vaginal s minat cient to clea it up and the further course I the labor can be i ll ed per rectum s gen ally suffi

The author has d he red 8 ses in his private practice and q in the chin c without actual exami sation and only once had a rive (| imperatur to b 6 on account of retention of remnant of tem branes. LOUTE ROL I

GENITO-URINARY SURGERY

KIDNEY AND URETER

Beracque A. Histological Contribution to the Study of Congenital Un lateral Atrophy of th Midney (Contribution hatologique à lecade d I trophie ongénit le limitate le d rein) Fol d o 4 464 By I urnal de Chieurge

The author describes a very rare case of congenital atrophy of one kindery in a joung man of 2 who died of their entire the content without any hattory of unnary disease. The right kindery was reduced to the sare of a chestnut. It was made up of two parts one fielly almost transgular which seemed represent the parenchyma and a cystic part with rergular ca tries contains g a liquid made up of alhumn urea phosphates etc. There were no intence of the perks nor of the eathers nor of the renst part of the u eter. The lower two thirds of the urerer was well diveloped the upper third was transformed into a fibrous cord div ded into four or the connective tissue filaments which had no con

nection with the strophied kidney

Ifistological examination showed that the fiesby portion was firmed of tubules of sarving sizes ending in cul de sacs lined with a single layer of cubical epithelium cylindrical or flat. They did not resemble in a y way the structure fith normal tubule In a numerous senes of sections Malo ghian bodies were found a only on place and they were very much altered The sunterenal capsule the testicles the seminal carcles and the prostate were normal. The left hidney was greatly hyper trophied wh h malformation was probably due to a mechanical cause Probably dunne i tra uterine life soon after the union of the secretory and excretors part of the night urinary pour tus the Li lies was separated from the ureter. This has pothesis se ms to be confi med by the prese ce f num one museul f bers around the few tubules which may be onsidered a dehn of the cale an I the pel 15 E ICA BEA

L neet Cl 9 4 5

By Surg Cyner & Obr

The author reports case of this rere condition.

Ile q tes st taxics which my as to the frequency of the cases found at autopsy is a result of the compi tion of these figures there were recorded 2 cases n 36 ds; aut pass; making the neighest about one in occo.

Ile was able to find 30 cases recorded w thout

He was able to find 30 cases recorded a thous hypertrophy including 3 cases of secondary contracts n

Attention s called to the f ct that the mortality

in these cases is due to this condition and is not merely accidental as shown by the frequency of pathological conditions in the opposite lading. The author calls attention furthermore to the fact that there are two cases on record in which nephree tomy was done in ignorance of the existence of this condition.

In the reported cases great vanitioo in the cond tion of the monoisteral ureter is reported

HERMAN L BRETSCHALL

Harpater C. M An Interesting Case of Renal Harmaturia with Three Anomalous Renal Arteries. Oh: St V J to 4 27 B) Sur Grace & Ohs

The case reported by Harpster as a very unteresting one for three reasons (1) Three years previously the author had removed the right testicle not conf from this patient for a stronger. The onset of the hermatura was insideous (2) \(\) possible trained from the later that the patient was injured by an automobale which struck has right and a few days pix rows (3) \(\) to operation three enomalous of the hermatura the author mentions replieve of one of three hermatures were found \(\) a one of the possible causes of the hermatura the author mentions replieve of one of three hermatures (1) is would have been interest the part of the Lidney It would have been interest under the result of the hermature the part of the passible causes of the state of the lidney It would have been interest and from a remove patient of the entire the stall to has had sections of the entire Lidney to the determine what publicological changes were present maximuch as the author state \(a \) soft degenerated spor was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) under the patient \(a \) of the degenerated sport was \(f \) and \(a \) the patient \(a \) of the degenerated sport \(a \) and \(a \) the patient \(a \) of the degenerated sport \(a \) and \(a \) the a

HLRMA L KRETSCHMER

Benjamin A E Cystic kidney Inter 1 J S g 9 4 vvu 5 By Surg G) nec & Ob r

The author summanizes briefly the pathology and symptoms of cystic Lidney with reports of nine personal cases on which he had perated. He points o t that only by es ly recognition of the cond tio can there be hope of benefiting the patient. If L Sax one

Vi chantewals 4 Surgical Operations in Polycysti Kidney (Des 1 t rentions hiru gir les dans le tran polykystique) This 2 d det P
9 4

By J raal de Chururgie

The author gs s a very complete history of surpcial operations for polycystic kulney and reviews at le gth the question of 1 dicatt ins for operation. Lik the myonty of auth rs he believes in the necessity of operation 10 cases of complications uch as suppurstion persistent hamaturia.

7 \o great cmj have should be placed on per centage values in determining a radical course of el alcul procedure but we should be guide I by the

smitom as will s the unnary findings. 8. Inalysis of the unne is a means of gn at value to separating the safe from the heart lous cases and while it m) n I indicate when to come to the sterus it should lead to the adopts n of su h d 1 hygune and m dication as to make inter- att a unacce way

in miny case and miny children would be born that oth raise would have been fourn d Lo an La Co Lea

Oxyl refea (Cher II benmitt I) Inch By A 1 alle 1 hea () nick a Geliustele a L (reasych

Quint e has the be t resul s in the fest et ge l'unt ta grupi ni i glan lu tren an i colunten re th be tin the unfistage l'auton caux i con ten u ont i n fo a cases, wi ch resulte ! a one case nith lath Ith chil In post partum e m patuglandul an l a em accacernan il nt fleet Amo at toa cases an which ha morrhage I thugh a kil w given there were no cases of toating us at a two Secatorain works best in pospartum hamorrhage - not a failure being reported n the and was the med intrajurtum in 24 wood o 11 that commendate a foocases th were ontinuous contractions which it ulted in the fath of the child in fi cases and deep The discs were 36 to c cem physia twic Li tamin (para o pheoplamine) has a good effect DUNK in the post partum stage

G refund W: Latrace of Hypophysis as an Oxy toole (Hypophyse trakt als W beaunt) H 4 ref | G₃ k 9 4 5 511 |By Jentralbi I d. geo Cyasik at Geburt-b a. d. Grenageb

I it) cases are reported Larger does than o s gr of the inlund bular at nel have no advantage over small r doses Extr t of hypophysis is n good but not it gether relistic oxytoric to results can be espected if labor has not already begun. It is not more if cur in the second stage than in the first it strengtheo the ontracti as the heat one gener ally berag or mpl ke said is ting as long as 45 min ut it is a ry panulu and my be dangerous for the child this ber g squeesly its in i tray now administration. The effect it is place within an bor no furth eff ct can be expected alter the tim in pt of pe c pibl strengthening of the tre tions som times there was no ad ne ment of fabor as was shown by a prated intern lexamina

tions. L pecually got I is its effect to ha t delivery when atoay is not present. The car th lastures was not explained. The more fre. post partum hamorrhages are out leadily by the extract of hypophysis Was

klaus II Lie of Varkophin in Obstetrics Vern ad ag v a Nathephia der Geb Munchen med ff h ehe 19 4 ft 180 by dent fild f d ges (vank, a Gebartsh a.d. C

The author reports on cases Acc rular

tions esperiments much phin is a useful's de nisung pain in labor. It has the advisat pantopon of her gikes harmful, When I mad return physic ranky occurs. Of the fasphy racovers I only 3 could be trul thus agent. It is hider a left the haccon bitson. When properly used narkoj hi n bght effect in lecreasing the force of th tions much less than pont pon It is u d fivery in the I rm of intections a cm ing o og gr park iphin or I ring the put the form (t blets oost gr n th | hin t present after na ha

Schlipobersky J P t Delivery without tempination (Lur I age der Le t e h e gnale t tere bune) P ti M) 20 By Le traibl f d ges. (c) k u techurtah.

There is always da ger of al cit saminal n and to go per cent f th perves to follow the n mal c urse then fore th author calls attention t smostle pre you by fecussed by Ol, mg and i the by which information as to the pos tion of the head the penellis sad the skull utures fense r thick dies of the os can also be d m

a) frequently the qu ti n of I she show by I mel examinated the co ir client in g can be deter this the degree of dilatstion of the pite of combined cotal and e t any question of real mportan a s et d'one regnal sam n tion tient to clear it up al the fur labor can be follo ed per rect m The a thor ha deli and h

practice and o in the clinic th nat n and only once had s n 376 on account of ret at no

GENITO-URINARY SURGERY

KIDNEY AND URRTER

Bevacqua A. Histological Contribution to the Study of Consental Un lateral Atrophy of the Kidney (Contrib tion histologique à l'étud d' l'trophi ongénitale unilatérale du résa) Fol d' 19 4, n 464 By Journal de Chi utp

The author describes a very rare case of congenital atrophy of one Lidney in a young man of \$2 who died of tubercular peritonit s w thout any history of urinary disease. The right Lidney was reduced to the use of a chestnut It was made up of two parts one fleshy almost triangular which seemed to represent the parenchyma and a cystic part with pregular ca sties containing a liquid made no of albumin urea phosphates etc. There were no traces of the pelvis nor of the calices nor of the renal part of the u et r The lower two thirds of the ureter was well developed the upper third was transformed into a fibrous cord divided into four or fi e connect ve t saue filaments which had no con

nection with the atrophied kidney Histological examination showed that the fieshy nortion was formed of tuhules of varying sizes ending in cul de sacs lined with a single layer of cubical epithelium cylindrical or flat They did not resemble in my w y the structure of the normal tubules In a numerous series of sections Malps ghian bodies were found in only ne pla e nd they were very mu h ltered. The suprarenal capsules. the testicles the seminal vesicles and the prost te were normal The left Lidney was greatly hyper trophied which maife mation was probably due to a mechanical cause Probably during int a uterine life soon siter the umon of the secretory and acretory parts of the right urmary appa tus the aid y was separated from the uret pothes; scens i be confirmed by the prese ce of numerous muscula fibers ar nd the few tub les which may be considered as d bris of the estices and the pel 1 L ISA

ki lev C E A Case ! Unilateral R nal Anlana Lanc I Cl 94 vi 5 Sure Gynec & Oh e

in these cases is due to this condition and is not merely accidental as shown by the frequency of pathological conditions in the opposite Lidney The nuther calls attention furthermore to the fact that there are t so cases on record in which nenhree tomy was done in ignorance of the existence of this condition

In the reported cases great variation in the condition of the monolateral ureter is reported HERMAN L KRETSCHW

Harpster C. V. An Interesting Case of Renal Hæmaturus with Three Anomalous Renal Arteries. Oh: St V J 19 4 7, 7
By Surg Cynec & Obst

The case reported by Harpster is a very interest ing one fo three reasons (i) Three years previously the author had removed the right testicle and cord from this patient f r a sarcoma. The onset of the hematuna was insidious (s) \ possible traumatic origin of the hemorrhage might have been explained from the fact that the patient was injured by an automobile which struck his right side a few days previous (3) At operation three anomalous arteries were found. As one of the possible causes of the hamatuna the author mentions rupture of one of these branch s of the renal artery into the pel as of the hidney It would have been inte est to have had he tological reports of pieces ex essed from amous parts of the Lidney or better still to have had sections of the e tire kidney to determ wh t pathological changes were present manmuch as the author states a soft degenerated apot wa found on the upper pole

HERMA L KRETSCHME Benjamin, A. B. Cystic Lidney Inter 1 J Sure By Surg Gy ec & Obst

0 4 75 5

The sutho summarizes briefly the pathology and symptoms of cystic kidney with reports of nine personal cases on which he had operated lie por t out the only by early recognition of the cond tion the re be hope of benefiting the patt at

Surgical Operation in Poly Mickan W LI A ca tic kidney (Des terrentions hirurgicales dans le re polykystique) Ther d doct P a 4

By Journal de Ch rurgi

The author gives a very complete history of urgical operations for polycystic ladory and reviews at le gilt the question of indications for opera tion Like the majority of authors he believes in the necess to of operation in ases of complice tions such as suppuration, persistent hematuna

to great emphasis should be placed on ner centage values in determining a radical course of clinical procedure but we hould be guide I by the symplums as well as the urmary finchings

8 Inalyse of the unne to a means I great value in separating the safe from the hazardous cases and while it may not indicate when to empty the uterus it should lead to the adoption of such diet hy mene and me leation as to make inters ation unner war in many cases and many thi ben would be foto that otherwise would have been borned

LD VAD ! CONNELL.

Tassius, 1 1 Oxytocics (Cher W he mitt l) I G) at 1914. 1 513 By Lentr Ibl (d. gen. t ynak u Geburtsk n. d. C' ene wb

Quintne has the be t results in the first tace Pituitem intugland I gha luitem and cul tem re the be I in the ee suf stage Litu trin cause le o tinuous contraction in a rases, which routed to ha morrhage a com petugian iol and a com weacornin h d an ar lient effect Amorg 194 cases in whi h pringlan kel was given there were n eases f new nous contraction. Secarorous works best to be t partum hemurrhage - nut a ladure being r porte! in 185 cases "ecacornia was used intrapartum in sa caus un lon lierfi se c mmendation in o cases there were out your contractions which is ult d in the leath I the child in five cases and deep asphysia two The dotes w is to t com Licramin (pira-oxy) henylamine) has a good effect in the [st justum stage

Gardland W. Extract of Hypophysis as an O y tocke (Hypophysene trakt | Whe mit I) feel

By Centralid f d gen Cynik u Geb rish a d (renegeb.

It its cases are reported L rger doses than o rgr of the ninnd bular give have no ad niver o et smaller dows fate t of hypophysis is a good but not altingether el ble sytocic No result can be easyected if labor has not lenady begun it is not more effects in the sec ad tage than in the first It stre gth us the contractions the first one gener ally being r mid he and Listing as long as 45 mio ut s It is 13 painful and may be danger us f r
the clied this but g pe tally true in intraceous
admin tr ti n The flet tales place within an fict can be expected alter th t hour no lurthe In space I pen palle sin giben ng i ti contractions som t mes th re was no advanc m t of labor as wa hown by rept ted internal exami

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Alaus, If : Lee of Varkophia to Obstetrics (Cher od g on Vapphia in de Gel, rishili f Mu k med II ek k 19 e la 86 By Lentralis f d.gra. Gynak Cebarish d. Grenigeb

The aut or reports on eases According to preto us est tim nts nurhophin is a useful agent for deer and g pain in labor. It has the advantage or r pant pan il bet g less harmful. When used in moder tion asphysia rately occurs. Of the 16 rases f a physia observed o by 3 c uld be attributed to this age t All the children lett the child in good conditi a. When properly used narkophin has all a slight effect in decreasing the force of the ontrac tions much less than pa topon. It is used during lelis 13 in the f rm f 1 jections a cem represent ing o oj gr narkophin nr during the pu rix raim in the form of tablets o oj gr narkophin in each to present alter pains

Schlapobersky J P 1 Dell ry witho t laginal learnin (lon (Zurl reg der Leit ag on (b rien ohne vagnale b terouchunt) Proti 1 & 9 s

By & I albi [d ges Gyant a Gebartah d Creargeb.

There is all ays darger of afection it vacon I e ammatton and a go per ce t of the causat a ly senes to follow the normal course of delistry then fore the thor calls attention to the rectal artien it is pre on by discussed by Olshausen Kro-mg ad buchs, by wh h information can be obtained as to the positt of the head the pel is the I nta nell's and the bull utures Tease membranes a d thack edges of the on tan also be demonstrated in this w y frequently the question of how far the os is lated cannot be det rou ed but Unterbe ger sho s how by external e amination the con litio al the contraction mag usa be determined and from this the I gre of chlatation of the os judged If in par of a manual re tal and ext r lex menation an) pur tion of re i mports ce remains una s cred one tapinal examination is gen rally suff esent to clear it up and the furth ne of the

The author has deb red 8 eases bus pro te practice and roll the his otho t vaginal zami n ton said by nace had a me of t mperat re to 356 no account 1 rate ton 1 rum t from b nes

GENITO-URINARY SURGERY

KIDNEY AND URETER

Benacqua, A listological Contribution to the Study of Congenital Undaternal Atrophy of the Kadney (Contribution histologique à l'étud d'l atrophie congentiale unitatérale d'rei) Fol rel 911 146 By Journal de Chirurgi

The outhor describes a very rare case of congential atrophy of one kidney in a joung man of 22 who died of tubercular pention its without any history of unnary disease. The night kidney was reduced to the use of a chestnut. It was made up of two parts one feelsy simost tanngular which seemed to represent the parenchyma and a cystic part with regular cavit ca containing a lequid made up of silbumin urea phosphates etc. There were no traces of the pel is nor of the call cas nor of the road part of the ureter. The lower two thirds of the ureter was well developed the upper third was transformed into a fibrous cord divided into four of the connect. Itsus fillaments which hed no con

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kieles C E \ Case of Unil teral Renal Aplasia

La / C/ 9 4 5

By Surg Gynec & Obst

The author r.pons a case of this rare confition H quot I tist es which vary as to the frequency of the axes fou d at autops) is a result of the compilation of these figures there were recorded 8 cases in 3643 utoposes making the incident

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He was able to find 30 cases recorded without
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In the reported cases great variation in the coo dition of the monolateral ureter is reported HERMAN L KRETSCHILE.

Harpster C. M. An Interesting Case of Renal Heematuria, with Three Anomalous Renal Arteries Oh: St. W. J. 1914 x 271 B) Sur Grace & Obst.

The case reported by Harpster is a very toterest ing one for three reasons (i) Three years previously the author had removed the right testicle nod cord from this patient for a sarcoma. The onset of the hiematuria was the dious (2) \ possible transmatic origin of the hamorrhage might have been explained from the fact that the patient was injured by an automobile which struck his right side a few days previous (3) At operation three ocomalous arteres were found \s one of the possible causes of the harmatura the outhor mentions rupture of one of these branches of the renal artery into the pel s of the Lidney It would have been toterest ing to be e had histological reports of pieces ex cised from various parts of the kidney or better still to he e had sections of the entire kidney to determine whet pathological changes were present masmuch as the author states a soft degenerated spot was found on the upper pole

Benjamin A E Cystic Kidney Iut 1 J Surg

HERMAN L KRETSCHMER.

The author summanzes hriefly the pathology and symptoms of cysic Lidney with reports of nine pe sonal cases, on which he had operated He point out that only by early recog tion of the conditio can there he hope of henching the pat ect

H L SANONE

Mickan ewakl A. Surgical Operation in Polycyste Aldney (D. terre tions his progrades dans le rein polyky tique) The et doct P 9 4

By J urnal de Chirurgie

The author gives a very complete history of urgical operations for polycystic kidney and resews at length the question of indications for ope a tion 1.1 the majority of authors he believes in the nec sisty of operation in cases of complica 20038 such as suppuration persistent hierartium.

hydronephrosis displacement of the Lidney anuris. intestinal occlusion and even intolerable crises of pain

Before any operation the soundness of the opposite Lidney must be determined by catheteriza tion of the ureters and examination of the urine from each If the Lidney is functioning normally nephrictomy by the lumber route may be performed but this operation should be reserved for cases where suppuration or ahundant hematuria makes any other impossible for I removes a Lidney part of which was normal and leaves all the work to the other which is always slightly diseased If the opposite Lidney is found insufficient conservative operations should be performed in the case of suppuration acphrotomy to anuma nephrotomy is the only operation possible but its value is

questionable If there is a large displaced polycystic ladney which is movable and painful nephropezy with decapsulation and excision of the cysts is indicated In all other cases he rejects the method of puncture and incision of the cy te with marsupialization and ad uses partial nephrectomy or better yet decapsulation with excision of all the cyala latter operation was performed by Taendler to 1804 but has been little used. Only three cases have been published to which the a thor add two unpublished cases. The results were good in all

these rases and he advises the operation. L CAPETER

Oertef II A Contribution to the Knowledge of aperimental Nephritis Laure Loud 1914 lere : 450

The uthor describes the ction of certain poisons on the Lidney and the results of his experiments on

the lower animals

Lyon 10 901 showed from his o n experiments and the investigate as of others that a cantharidia poisoning there occur of only vascular injury and reaction but a diffuse necrosts of the secretory tubular cells a d that in possoning by bichloride of mercury glomerular kasons may also be present

Pearce and Lisenbrey demonstrated that neph rotoxi and hemolytic immune sera cause changes which hy physiological methods present no evidences ascular injury but which are unatom cally characterized by exudative glomercular lesions of moderate seventy. In arienie posom g on the other hand physiological methods show profound vascula change, but the anatomical in catigation shows little or no vascular lesion

Aschoff and Suzuki find that uranium a d mer cury produce necrosis of cells associated with a dropsical hy h e degeneration canthandus on the other hand prod c necrosis with marked swelling and acuolization f the cell . Thy come to the conclusion that all poisons act prim rily on the

parenchy ma Opic s invest gat us dem instrated thet canthar idin exerts decided influence on the lymph for cortical subst nee

of the h er which is associated with definite struc tural changes.

The author has recently carried o an avestiga tion into the structural changes which canthands buchloride of mercury and uranium nit ate produce in the liver of rabbits where doses usually employed and sufficient for the product on of nephritis had no effect on the liver

Fifteen animals were employed of these 7 were possened with varying doses of canthand n of a attength usually employed m the study of ex perimental nephritis 4 were in similar fashion poisoned with bichloride of mercury and 4 with

nranium mirate A summary of results follows Canthandin produces a rapidly progressing and general parenchymatous degeneration and necross associated almost from the beginning with tremendous hemorrhagic vascular engorgement and cellular exudation these lead even to small and moderate doses to a marked and rapid disorganization of the liver The accompanying constitutional symptoms are severe and specially lead to death

In mercury the picture s controlled by paren chymatous and fatty degeneration with which ordematous swelling is associated These lead according to dose and susceptib biy of the animal to reput or retarded solution of the cell especially in the central parts of the lobules. Somewhat similar t mereury are the changes brought bout by uranuum, but a much greater inflammatory ordens or scrous exu-date and a greater swiling vac obtation and cytolysis of the parenchyma in Lidney and liver

distinguish it from mereury possoning.

The conclusion may therefore be drawn that capthandin mercury and uranium are not selective porsons, that they affect not only the Lidney but the fiver and that they avolve to both organs the pare chyma as well as the circulatory system

In conclusion the author calls ttention t pathe

logical changes in the liver of untreated rabh ts Care roust he excremed not to confound on the one hand the res its of idiopathic i fections with the results of experimental procedures and on the other hand the evide res f l r regene ation occasionally acountered untreated rabbits, with normal conditions or related to no mai ! Tπ

Negelio and % Idbola Anatomical Study of the Early Stages of Chronic Tuberculous of the Kidneys (Anatomuche U tenuch agen on Pulutadira der chronuchen Niert 1 berkulos)

Zir hr j urd Chr 0 4 By Zentralld f d ges Chir Th authors made a ery d tailed Im al and

anstorneal tudy of 15 cases They say that I d ney t berculous is demon trable in the when functional diagnosis sho s o ly 1 ght lt ra function a d when tomic lly caseo ca empus dist tegr t on has affect d only part of the py mids and has not penet at d t the

From their research they reach the following con clusions

Macroscopically the tuberculosis is mostly local ized in the papillæ this finding is characteristic of the disease. The simultaneous involvement of several papille is probable. Tuherculous of the cortex was found in some cases but large caseous foca were not found. In 6 cases clearly defined tubercles were found in the Lidney pelvis Microscopically the authors found that chrome tuberculo sis of the kidney is localized primarily in the para mids if foci were found in the cortex they were secondary The Isteral surfaces of the pyramids are first involved also the niches of the calices subepithelial tubercles de eloping. By secondary evatic dilatation of the collecting tubules tubercular foci arise in the pyramids themselves. These tu hercles in the pyramids run perpendicular to the surface of the k dney like rows of pearls along the small arteries. The cortex first becomes diseased over the diseased pyramids or in a circumscribed wedge shape and becomes atrophic, like an infarct

SCRI There are three ways in which it is possible for the hacili to reach the pyramids and calices (1) The direct hamatogenous which the authors do not think is very important (2) the indirect hama togenous in which the hacilli reach the Lidney in the blood stream are then excreted with the urine and mechanically remain lying in the niches of the calices which are not flushed out rouch hy the urine The authors believe this is the most im portant way for in direct infection of the pelvis from the urinary passages the same anatomical picture occurs (3) the assumption of infection by the lymphatic route is scarcely justified. The unnary blood and lymph passages all take part in spreading tuberculosis of the kidney E tension hy way of the urinary tubules is possible in stass of the urine Extension hy the blood essels is of slight importance. The fact that the tubercles appear like strings of pe rls parallel to the small kidney arteries without the walls of the art ris heing involved indicates that e tension takes place through the lymph channels accompanying the arteries. In the neighborhood of the tubercles there are changes in the parenchyma. There is infiltration with plasma-cells and lymphocytes which is due to toxic effects of the bacilli and atrophy of the pa enchyma especially in the wedge shaped foci in the cort w

From the anatomical pi ture conclusions can be drawn as to the virulence of the inf ction General ly there is a tendency to caseation but in the pen phery there are fresh tubercles Individual cases show slight tendency to caseatio which indicates slow progress of the parenchymatous destruction In other cases the tendency to caseation is very great here the process is an extremely acute one Reparati e processes - fibrous transformation of the tuhercle - were been ed in only one case where there had been no chincal symptoms of Lidney inherculous and it was found by chance in an autopsy after typhoid But even this case showed a large caseous focus at the apex of the papilla. The authors admit thet there may be a primary localization of the chronic tuherculosis in the cortex, which may result in recovery with the picture of a tubercular contracted kidney analogous to tuber cular curhosis of the liver with destruction of the parenchyma TANSSET

Snier, F Treatment of the Ureter and Healing of the Wound in Nephrectomy for Kidney Tuberculous (Zur Frage de U eter-erorgung und Wundhelung het der Nephrektome wegen here t berkulose) Zieck f wol Ch 9 4 u 264 By Zentralbl f d ges Chr u Grenngeh

One of the unpleasant complications in the opera tive treatment of kidney tuberculous is the frequency with which fistule of the ureter follow the operation The question of how the tubercular ureter is to be attended to has sofar not been definite ly auswered

The author describes his experience in 66 cases of operation for Lidney tuberculous which shows thet at least a part of the complications can be aveided. His results in the healing of the wounds here marked ly supproved with time. At first only a third of the cases healed by first intention now five sixths of them do

The improvement in results is explained partly by the most rigorous asepsis and the greater safety and quickness of the operation - he has done away with in oluntary opening of the diseased kidney or areter - and partly by a very careful and exact method of dealing with the ureter as follows

The preter is isolated downward as far as desired Then it is crushed with a strong broad forceps and a silk ligature is passed about the upper and lower edges of the crushed area it is then hurned through with the thermocautery. He does not believe in the pu cture of caverns. In large Lid neys that are located high up under the costal arches he unbesitatingly resects the twelfth rib and has never seen any hed results from it. In this way he secures enough space to safely remo e even very large Lidneys I rom his experience the kind of disease of the ureter has no effect on the healing of the wound Success is stia ned by good technique in separation the ureter and the most careful asepsis during the operation

Robertson W C: kidn y Disease with Special Reference to the Test for Functional Capacity

V 1 M J 9 4, xcix 97 By Surg Gynec. & Obst.

The author attests the eatreme value of the phenol-ulphonephthalem test in diagnosis and progness of diseases of the Lidney The case with which the extent and presence of renal disease even up to and including the actual development of uramia when the usual ishoratory and clinical methods of examination are made use of is shown

hydronephrosis, displacement of the Lidney anuna, intestinal occlusion, and even intolerable crises of pain.

Before any operation the soundness of the opposite island yours be determined by catherina tion of the uniternand examination of the nene from each. If the lishdery is functioning gormally sephinctomy by the lumber route may be performed but this operation aboud he reserved for eaces where suppuration or abundant hermatigns makes any other impose ble for it ramoves a listin y pert of which was normal and heaves all the work to the other which is always algority diseased. If the operation of the state of the control of the operation of the control of the control of the supportation applied to the control of the control of the supportation applied to the control of the control of the supportation applied to the control of the control of the questionable.

there as a large duplaced polycy use Ludney which is mostable and purelul reproperty with the property of the composition of the cysta is note teel, and the composition of the cysta is note teel, and incur case if he just with relocation contains and incur case if he just with relocation of the cysta of

L C PATTE

Octtel II A Contribution to the Knowledge of E periment I N phirits. Law Load o 4 k 45 B) Surg G be & Oh t The author describe the action of certain poisons

The author describe the action of certain poisons on the Lidney and the results of his experiment. It the lower in mals

Lyo roug ho dd from hown experime is and the in catigati no do then that in can the admin powoning them or not only varuint r jury and reaction but a diffuse necrosis of the secretory tubular cells a d that in poisoning by inchloride of mercury glomerol r lassions may also be present

It ere and Levabray d monarrated that n pheotour an I hemolytic minu se n cause cleuger which ly j hysiological methods preced no calenced acute in juny; but what are antonimeally christicistical properties of acute in juny; but what are antonimeally christicistic mode at the critical participation of the control of the

both if not surulus fail that uranium and mercury produce necross of ells associated with a dropsical by lin of generation cantharidin o the other hand produces necrosis with marked a linea and cuolization it to cells. They come to the concil son that all poisons act prima ly on the narrichyma.

Opie a in estigations lemonstr ted that canthar idin verts a die ded influ nee on the lymph flow

of the hver which is associated with definite structural changes

The author has recently carried on an tovestigation into the attractural changes which cardiands, buch rule of mercury and uranum nutrate produce in the in r of rabbits where doses usually employed and sufficient for the production of nephritis had no effect on the liver

Fifteen animals were employed of these 7 were possened with varying doses of cantharidin of a strength usually employed in the study of experimental nephritus 4 w ra in similar fashion po soned with bichloride of mercury and 4 with uranium nitrate. A summary of results follows

Canthardin produces a rapidly progressing and guaral parenthymatous depenration and necross associated almost from the beginning with tramentous harmorhagic vascular engorgement and cibilar exudation these lead even le small and moderate doses, to a marked and rapid disorganization of the liver. The accompanying constitutional symptoms are severe and peed by lead to death.

symptoms are the early peak of main death.

An attent and faith day, cratten with which code in tous as ling a succentred. There had according to doe on du socrapitality of the animal to rapid or retarded solution of the cell c pecally in the certain parts of the blobies. Somewhat simulate to mercury are the changes brought about by uranima, but a much greater radiamatory critical control and a gre ter most large distance and a gre term and may control and a great per and may control and a great per and may control and a great per mode of the control and a great p

distiguah i from mercury posoning.

The conclusion is ay therefore be drawn that can handlo mercury and urani mare not electiva possons that they affect not only the kidney but the liver in this they not here not only the kidney but the liver in the time in the processing as well as the created by a stem.

I conclusion the thor ralls att at na t patholog cal changes to the inter of unitrated railings

Care must be exercised out to roul und on the one ha of the results of idequalitie fections with the rasults of perturnating procedura and of the other hand the rudences of ! regeneration ocean to illy accountered on a treated to but with normal condition related to must be rune.

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S pe numerary ureters are quite frequent but

those opening extravesically are are only nineteen others having been reported

An analysis of the symptoms physical findings operati e procedures with results and references to the hterature are given From the study of his and other cases Furniss believes implantation through the vagma to be the operation of choice

BLADDER, URETHRA, AND PENIS

Swan R. H J Turners of the Urinary Bladder
Lance Lond 9 4, cluxe 1, 300
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Swan covers the subject from his own experience together with fifty eight cases to t were then under

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He considers the euclogy as practically maknown in that relation however inflammation bilharsial ova and workers in amine dyes are mentioned Outside of villous papilloma (hengo) and carcinoma other tumors of the bladder are considered rare

Especial stress in laid upon the possibility of a non malignant villous papillomate showing malignancy log after ope too. He reports 6 e cases — 3 4 13/5 and 1 years — in which sections showed non malignancy when the tumor was removed, yet became malignant afterward Ife looks with supprior on my hinder papilloms in the property of the property of the property of the very deluted pedicles

Carcinoma is claimed to be three times as prevalent as papilloma the supposition is made that heretofore they have been looked upon us villous (beingn) pepillomate instead of villous carcinoma. The symptom hematuria is considered a different

tal point of distinction in favor of a papilloma when it entirely ceases at intervals Cystitis is frequently the associate of carcinoma yet foreign to pepul lomata

A case is reported whereby a urct r block occurred from a populoma engaging the urcteral mouth from the cv tic side. The kidney obstruction which followed was releved upon the removal of the villous populomate. An unusual case is reported of villous carrinoma metastass in a young man following eighteen months after an attempted removal of the cancer. The trunk of the body from the umbilicus to the lines including the bony wall as well with the exception of the abdominal viscers was invaded.

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Charge E Baharrie E.

Werelius A. Traumatic Detachment of the Bladder from Symphysis Pubis with Complete Severance of Urethra Use of Labia Minora as a Substitute for Necrosed Anterior Vaginal

Walf J Am M 4 9 4 lrxu, 1722 By Surg Ganec, & Ohst.

The author reports a case of pressure necrosis of the auterior vaginal wall, due to prolonged and dif-ficult instrumental labor in which the urethra had completely disappeared and the bladder was en turely detached from the cymphysis and was sus pended only by the ureters and the peritoneum covering to posterior surface. The case was seen five months after labor and gave a history of comlete incontinence of urine since delivery with profuse vaginal discharge When seen the patient was in a sene al run-down condition and had lost con siderable weight Vaginal examination revealed an almost complete absence of the anterior vaginal wall and the bladder could be protruded far out of the vagina There was no sign of any uretbra Two unsuccessful attempts were made to close the opening by bringing the edges of the remains of the vaginal wall together after freshening and under cutting them. The defect was finally closed by freshening and incising the edges of the labra minora along the outer and upper borders and dislocating them inward over the vaginal defect and suturing w th chromicized catgut C R. O CROWLEY

Martin C The Correct interpretation of Bladder Symptoms Med Fort 1st 914 xl 177 By Sur Gynec & Obst

The author lays arress on the fact that bladder symptoms have an antecedent mechanical or ner our etuology. He says in the vast majority of cases it a mechanical. He states that the three symptoms which force the patient to the physician sea frequency poin and hematima. He emerically studied and removed if possible the carefully studied and removed in the careful studied and removed

Of the intravesical causes f bladder eymptoms the author discusses, first stone in the bladder and lays stress on the frequent use of the cystoscope for the determination of the same He also etates that

Seven cases are reviewed illustrative of the informa tion in he gained by the use of the phihairio test. The drug is injected lotramuscularly and the first specimen collected an hour and 15 minutes later A second and third collection are made at the end of each succeeding hour "Normally the largest omount is climinated at the end of the first hour and ts minutes the amount varying from in to so per cent and ag to ag per cent at the end of the next hour with merely a trace in the third specimen. Abnormally this condition is reversed and the greatest amount is eliminated in the second or even the third hour and in the uramia or impending oramia chmination is often too slight to permit of definite reading in any of the specimens

PRANC HINNAN

Sterens, W E. The Comparatt c lale of Medern Functional kidney Tests. J be M to 1914 Ixu 1544 By burg Gynec & Obst.

The author suggests that some of the older tests of renal function have been ricklessly and unjustly abandoned in favor of the phthaf in test of Rown tree and Geraghty and belie es thet no one test is sufficient. He made comparative studies of the ureal phlotiding and phthafein tests after ureteral cathetenzation Iwo com of a 0 5 per cent phlondan solution were injected intramuscularly immediately following the insertion of the cathetere and while the appearance of sugar was being awaited specimens were collected from each ide f r ml croscopical and untal exacuoations \ fifte n miaute collection was made after the opearance of reduction of 1 chings solution and a quantitative estimation of the augar output estimated by means of two Lohnstein sacrhanmetere six mg of phthalen were then top cted intravenously and after the appearance of the dye a fifteen minute collection and a quantitati e colorometric limation were made This gave three sets of figures for each hidney The urea concentration the quantitative fifteen minute output of a gar following phioridain injection and the quantitative fifteen minute out put of phthalein. The sugar appearance varied from 01/2 in 31 ounutes and the outp 1 from 1 in 3 s per cent-normal cases presum bly being The author finds that the teets apparently patallel each oth r and that the phthelein test as compared in the phloridan is subject in f wee

Elsendrath D & The Effect of injecting Collargol (nto the Renal Pcl t 1 reliminary Note. J Am M A 941 By Sure Gyace & Olet.

The author shows that the normal capacity of the dogs renal pel is is 215 ccm I've ty ccm of a in per cent solution of collargol inject d under a pressure of oo mm of lig produced de the than ten munutes Autopsy sho ed collarged to the fungs lucer kichey spleen, and at mach mucous membran and free to the blood vessels

In a second experiment 3n ccm, of collargol were injected under ton mm. of Hg. pressure The ammal died within thirty mioutes. In this animal most of the collargol escaped 10to the tusues around the renal pelvis bot small amounts were found in practically all of the viscera.

V D LESPINASSE

VITACEE.

Stoeckel W t Exclusion of the Kidney by Artificial Occlusion of the Ureter (Uber de Auschaltung dre Neste derh klusikthee Uretererschius) 2 str 181 f Gy 182 toj4 2 xx m 56
By Zentrillik 1 de yes Gyalak u. Geburtak a. d. Grensgeb.

In answer to Bumm apaper read before the Berlio Gynerological Society on the cutting off by a high ture and lowering of the injured neter Stocckel enticizes the methods in u e where it is impossible tn amplant the ureter in the bladder nr to suture He rejects implantation of the ureter f to the istestine implantation of the injured ioto the uninjured ureter the insertion of grafts, immediate nephrec tnmy and formation of a fistula from the ureter through the abdominal wall and in place of cutting nff the ureter by ligation and low ring it which does not leave the ureter water sicht he recom mends as the best and simplest method the artifical Linking of the ureter by tying a knol to it and heat-ing beneath the knot. If the other kidney becomes assufficient it is very easy to gr e local ao arthrasa, make a small pararectal longitude al to casion and open the knotted and lowered unter extt pentoncally. The excluded kidney is still unchanged after four days after at d ys it loses the canacity to exente and go carmio and does not lose the capacity for excreting water for months

Flecher A: Stone of the Uret In a Child One and One-tiall I care Old (Unterstee e bet usem 15f J hugta kinde) Zis kr f urd Ck 9t4 u 175 By Zentralbild ges Char a. Grenzgela

The author's case is the third of the kind that has been operated on in childhood Generally has been operated on tendenced obtained the street pass from the ureter is to the bladder because of the case with which the hild's meter is dialed. The symptom are not volocitor expectally characteristic. The passage f a tone may lead to characteristic to passage 1 at one may lead to be diagnosis, as so this case Six months before operation there was crample, pain void agite urise and a small stone was discharged after that the patient was troubled at ha deeplesaness and sometimes cramplake pains. There were a few white and red blood-cells in the utime. The rontgen peture showed two typical shadows on the left beside the trensverse process of the fourth I mbar vertebra and in the true pel is corresponding to the course of the urelet Israel mon was made the firm and somewhat hyperæmic kidney palpated and the stopen found t the site of the shadows after replating the entire urete to the bladder They we re remo ed through a longitudinal neuson. The

Furn as II D Supernumerary Ureter Opening Extravesically S g Gynec & Obst 19 4, xvia, By Sure Gynee & Obat

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Wereling, A Traumatic Detachment of tha Bladder from Symphysis Publs with Complete Severance of Urethra Usa of Labia Atinora as a Substituta for Necrosed Anterior Vacunal Wall J Am M A 9 4 lxxu 722

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Of the intravesical causes of bladder symptoms the author discusses first stone in the bladder and lays stress on the frequent use of the cystosc pe for the determinat on of the same He also states that frequently the etiology of atone is an enlarged prostate and that it will be futile to remove the atone in the bladder without removing the prostate,

The author next discusses tuberculous of the bladder laying etress upon the point that an irratable bladder ie frequently the first symptom of tuber culosis and quotes hare as saying that oftentimes nocturnal enuresis and this particularly in the case of young anamic children may he the single clinical symptom of a heginning tuberculosis the final determination of which must be made by the laboratory and the eystoscope The author further at ates that an irritable bladder moy show no cretoscope findings whatever except possibly the halo described by Thomson Walker, that is the intimate connection of the ureter a blood aupply with that of the area immediately currounding the present aπtice

He further discusses the question of tuberculous of the prostate as a cause of cystatis and states that a careful rectal palpation will frequently develop nodular prominences, or a thickening at the end of the ureter may he felt per rectum or per vagina

The author then discusses the effect of gonorrhoeal infections upon the bladder and says that a general gonorrheral cystitis is tare but infection of the trigone is frequent. He says that these cases offer no diffie ity of diagnosis on account of the sudden seizures of pain frequency urgency and possibly a httle blood following miciumtion

The author discusses the question of stone in the provide as a cause of bladder symptoms and recommends the free use of radiology in the diagnosis of these cases If also touches on the question of by pertrophy of the prestate as frequently esuang

The last half of the paper s given up to the discussion of the question of vesical symptome con sequent upon the emphasizes the fact that great care must he used in the disgnosis and recognition of these cases and that persons diseases producing bladder symptoms should alw ye be taken into consideration in the examination of all bladder diseases because great harm may he done to the hladder whose incompetency is due to a apinal lesson The author laya great atress on the danger of eathetenzation in these cases producing an inflam-

mation from which the patient never reco era.

The author blewise discusses the verumentation and its inflammatory diseases frequently causing bladder eymptoms and recommends a careful atudy of this organ as well as the seminal vesicles in every case of bladder disease A C STORES

Squier has reviewed the literature concerns g the cure of vesical divert cula by operation and has further contributed toward the technique Chute Lerch Lower B yan Berge er and Beer have either collect d or reported cases. The one reported by the author had a marked pyura with a bacillus coli infertion The amount of residual urine was thirty ounces Cystoscopy showed a di erticulum opening Stereoscopie radiographical examination with as per cent arginol outlined an immense di verticulum

Upon operation, the diverticulum was found strongly adherent to the anterior walls of the rectum and aigmoid The bladder was opened and two intestinal clamps placed so that one blade of each thus approximating the posterior wall of the bladder to the anterior wall of the diverticulum. The two walls were then divided between the clamps and the cut edges sewed together with continuous catgut sutures. The upper part of the deverticulum was then excised and dramage established in the bladder

and prevenezi space Two months later the residual urane was from one to two ounces while the capacity of the bladder

was twelve ounces The author a conclusione are that in an bour gires bladder division and auturing is the best method especially as this does out necessit to transplanta tion of the wreter but in some diverticula excision

hy Lones a method se the better one C D PRARKIL

Dor H Urethrectomy althout Suture la Stric ture of the Perincal Urethra (Emai ur) retroto sans ture dans les rétrécisseme t de luri re pérméal) There of éast P 0 3 By Journal d'Chiruspie

Dot entitores the results of Hett Boyet's ure threctomy and describes a m thod which Escot has

used 15 times In this method the upper Wall of the canal se spared

The steps of the operation are ae follows (1) Ex ternal urethrotomy incision, isolation of the fistulous tract and external liberation of the urethra and penurethral tumor (a) lo gitudinal i cision f the surethra ad resection with curved scissors of all the fibrous tissue including the urethral wall itself only the upper wall being spared (3) a rubbe sound is passed through the meatu toward the bladd r (4) the slan wound is situred I the angles and the remainder left open The wound is tamponed the tampon being changed the fourth day The suchth day the sound is removed and the patient uringles entirely through the perincum Every two days a bouge is passed beginning at 40 to 44 and in a little while reaching 60 Free irrigation of the prethrs and bladder is performed at every

datation In the cases reported by the author cicatrization took place between the twentieth and fifteeth days In only one case a small fistula persisted which closed spontaneously about th t th mo th Examination of the patients at a late date sho ed thet they could not be onadered adically und They must be watched and submitted to catheten GASTON PICOT zalion.

Roth M and Mayer T The Practical Value of Posterior Urethroscopy tm J Urel 94 x 212 By Surg Gynec & Obst

The first and perhaps most unportant cause of pathological findings in the urithra is gnoorrhozalers we may have either a soft infiliration comparable to that found in the anterior urethra in which the internal sphincter is swellen and the colliculus infilience and presenting one or more projections or a hard infiliration resulting in street involvement which is much less common Findings in the internal sphince in the internal sphince

Object: e symptoms such as persistent discharge terminal harmaturia and harmatospermatorsheas may or may not be associated with the above pathological conditions Conversely these conditions may exist without any symptoms whatever and in 46 per cent of the cases without the ensistence

of any antecedent generation

The authors also found numerous ah ormalities in the urothras of n t ents suffering from symptoms f sexual neurasthema such as erections and pol lutions They also found various types of prolapse of the mucosa and of granulomas in the membranous urethra Honever they do not regard these changes as the cause of the symptoms (pollutions etc) but rather as the re ult of the accompaniment thereof In support of the view they point to the favorable results obtained by therapy such as int mal medication which is not directed toward the rehef of the local conditions as well as the failure of local treatment in some cases. In all such cases the authors feel that there is an unsatisfied libido which causes an increased seaual intability resulting in masturbation thus in turn producing congesting of the parts and the pathological pictures above described Crections and pollutions may result from a general psychopathic coast tution without any local changes whatever S milar find ngs in the post mor urethra ha e been described as the cause of sexual impotence. That this cond tion results from the haustion of a previously overexcited erection cent r as suggested by Finger is not accepted by the uthors By first ubjecting all patients to general meas-

urei and not proceed g t once to the local treat ment the uthors were held to du det the reases into two classes. The first consisted of real sexual neurants much who complained of indefinite symptoms burning the trucks feebag of heat and pressure in the urethra tean g the inquinal canal t In no per cent of these subjects the posterior.

It has to per cent of these subjects the posterior in the contract of the subject of the posterior in the canal symptom we re merely a part of an out polent general neurants mas General measures o local applex tooss which did not in any

way affect the pathological picture often caused a cure The benefits of cauternation, etc were but temporary The second class comprised those who complained definitely of frequency urgency and pain during unnation. In 60 per cent of these cases there were pathological changes in the postenac urctims and here they were actually the cause manning of instances followed by n bermannet cure.

The authors conclude that though modern en doscopy has thrown much light on many difficult problems at has led us to overestimate the ampor tance of the local lesson especially in cases of seaual neutrathems.

Noré-Josserand G. Late Results of Urethroplasty by Tunneling ond Skin Gratting to Swere Jorma of Hypospodias and Epispadias (Résultats Gospes de Judroplastus des elination et la grefie derma épadermique dan La formes g. es de Hypospadas et de l'épospadas) J d'ard 19 4 393 B. Journal de Chrurge

The author studied the permunent results of his method analysing at cases that were trated more than two years ago. Seven were penal hypopodius of penasoroal a serotal y penneal and a prapadius Some were operated on as long as it years ago, the seven were penal accordance to the seven was recorded by the seven was recorded by the seven was recorded by Chamiters sound—and it often had in he on larged by internal urethrotomy. The urethra is cleaute enough not to interfere with reaction or unnary function and fattule are except onal incommendation of the seven was reduced by the seven was reduced by the seven was reduced by Chamiters sound—and it often had not been always to the seven when the seven was reduced to the seven was reduced by the seven was reduced by Chamiter sound by Chamiter sound by the seven was reduced to the seven was reduced by the seven was

part in the general growth of the pattern.

In three cases the caliber of the urchira examined
4 to 7 years afterward had rumained stationary
athout causing any furctional trouble. In two of
these cases the n w canal had passed successfully
through an attack of genorities. In two cases
through an attack of genorities. In two cases
are after the case of the successful and
are after the cases of the cases of the successful and
are after the cases of the cas

Stark S Techniqua Employed in F cision of n Ca cinomat us Leethra ' g G nee & Ob 9 4 m 63 By Surg Gynec & Ob at

Start d senbes the technique employed in the extusion of care one of the methor. The tumor anothed the whol methor is choicing the internal nuclear of the technical feature over as follows. I curved internal near the time in traph and continued an depth until the exturn in traph and continued an depth until the resident properties. The reached From the a longitudinal incusion through the againal wall was made on their side of the in durated area in a posterior direction beyond the

Two vanual flaps were then deflected by druce tion laterally toward the ischiot ubic camil exposing the triangular beament underneath. Curved harne state were then placed from the retropulue anace downward on the triangular ligament close to the ischlopubic rame just bel re it was cut through, first on one side and then on the other until the whole tum r mass was disconn ctid The object of this was to anticipate hamorrhage from the br nches of the internal public vessels coursing through the triangular bgament which proved very satisfactors The liberate i tumor mass was then insseed along its ant nor surface into the unthral canal al bladder which lacil tated its tinal removal und e ocular upersu on The s sels included in the harmostata were bigated by transfission and the bladder ornice sutur d to the v gual wall in uch a manner as to kave an opening only large enough to adout the introduction of a No to solt culder catheter which was fixed in sil I r permanent dramage by means of a suture to the samma to terror to the covagnal mening the a ginal ti pe were brought together in the med in line by hromic send artime lessing a pace unfer the pulse such lot trainage of the rather large retrojubic a sty The inguinal pland of both ides were likewise ex ciscal Control of unne graph d

C cent lider L. L. Card tonus of the Peals.
Interest J 1 4 9 4 8 4 63
By Surg Gyare & Obst.

The patient 49 3 ns of age (mplated of a growth on the del the pease of 1st mounts duration 1's must in of the glain peats were left inguing lain! were 1st and hard and the felt inguing lain! were 1st and hard and the efficiency of the state of the sample ted bout 3 m from its bac. It hilter to report disclosed 1 pith in me 1 (the glain pe. 1

The such r re issuing the varous report a to with r or on the ru interested freque v 1 car cusoms of the penus t proportion t wheth r the polar stat are varounded or do en fudes that cur currenson must be a great peut cit in gas it are running of the penus II got report for in the Yulins Gen ral Hope if of them y is ago prepared by if in this pee which have been dan who we re intered in III the most war ability to gas a few reasons of the penus to gas a few reasons of the penus

Lionti G A Case f Doubl Peni (tur fall on tur rdog l ng; De i h med li h h g 4 t t t lis Zent allal i d ges (bur u terrangeb

la jar-old ma hai on the left de fhe apparenth mai glans pe word mill t e that was somewhat hugher up and more auteur. The apex of this arean glans was provided roll a small cuttaneous entire from which urne or sense had sever been of scharged. I alpation showed the presence of a second penus, which was some hat sunsed. The second pen so are removed by operation without difficulty its ureline ended in a bland pouch at a depth of it or on Streptane.

GENITAL ORGANS

Hardonial Cancer of the Testi I Operatra upon by Simple Castr tion; Recovery with a Hecurrente after beight years (Laser of testicular operators at a tion sample. Cutrican as bout it 8 aus.) B I I men See and de Par 1014 a 1 148

By Journal de Chur up

llar louns reports the h tory of a man of gt who was operated upon thoryly after the apper ran e of a tumor. Histological extraorations thosed a typical secundionals. very treens a net it was small in sue and the samunderous tubisles were scare by harged threat to the samunderous tubisles were scare by harged threat to the samunderous tubisles were scare by harged to the samunderous tubisles were scare of the tensicle operated on hy ample castro many be considered curve Hardoon in think thos higher a little too primitate but that it should be remembered at that jime when a more extensive and disagreeus surgical insafiners for exacted the samunderous surgical insafiners for exacted the distribution of the three samunds. It is republished that the most important lactor in cure is the re-monal of the cancer at an arth stare.

Hardouin and Pot I Two Cases of Tumor of the Testicle in Children (Deu obsert toos de ture es d testeule be I alant, Pall I seis dec I se d Par 04 h, 150. B Journal d Chrogres

The brat pottent had had a timor of the right to take t ce he was to months old. Usight most that I began to grow tapedly beet are as large as a hen a gg smooth without nodulation or as hesons. The righed was term set Exams, total above of that it was a mused tumor formed of tubes and ty its with cylindrical pathelis in and of shrous

al cart lagroom twee The accord patient was gears old He had a tum r of the right tested as large as a adult at a man and the rest account account account account account account account and according to the rest accordi

Hilson H W \ Past Graduat Lecture on New-Growths of the Tatlel Gl J a 4 h too B, S rg C, no. & Obst

The aud mphasiz a predominance in ectopiainfit is go a of this is samed condition be comin in grant larer me ad sercome one pair he testes in highly malignant pread in the lymph vessels in the retroperatoneal glands occasionally reaching the superclavicular group by way of the thoracic duet - and via the blood vessels in the liver and the lung Metastases may occur eatensively even though the original tumor remains small Carcinomata frequently penetrate the tunic giving rise comparati ely early in fungi form masses on the surface Sarcomata show a tendency to he confined by the tunic In both classes eystic degeneration is common giving rise to collections of fluid within the tumor mass or often to hydrocele Microscopically these tumors are very atypical occasionally the carcinoma may adhere to the columnar or spheroid type and the asrroms in the round or mixed cell type These growths are apt to be soft and nodular but occa stonally smooth and hard

Embryome tumors so called because of their origin from embryonic tissues in the mediastinum are not uncommon They have a tendency to fistten out the testicular body and are of slow growth requiring three to sia years for their de velopment They may assume a repid malignancy and this is especially true in the teretomata to contrast to the adenomats which malignancy is to be suspected if there are to he seen masses of

nucleated protoplasm similar to deciduoms mal g num Endotheliomats are very rare The embryonic tumors re to he found from puberty up to thurty yeare sarcoma between the ages of twenty and forty exercinoms between the ages of the ty and suity. There is an early loss of testicular sensation and a sense of a dragging weight with but little pain until the skin is n of d Palpation shows an nlarged te t s with flattened epididymis Hydrocele is often present In ab dominal cases of ectoms, the first manif st tion of the malignancy is frequently intestinal obst uction Life expectancy is only about eighteen months and only a small percentage of cases have remained free from recurrence after three years Exte use operat on in an attempt to eradicate the pathe of lympathic invasion gives discouraging results Experience has shown that operative interference which does not e tend beyond the eatern'd ri g gives better results frees the patie t from his pain and annoying ulcerot on painless death usuing soon from metastases L L TE BROKER

Corner E M Further Experiences in the Treat ment of Imperfectly Descended Testucles. B # By 5 rg Gynec & Obst

The author states that when confronted with an imperfect descent of the testicle the first facto to determine is whether the condition is temporary in permanent If temporary no treatment is ne ssary If permanent as evidenced by the recognition of n n compa ying hernia n the fact that the patient has eached th age of se an years circe treatment is ecessary

The uthor recommends great gentleness in separating the ord from the hermal as

states that frequently such testicles atrophy even after they have been brought well down into the scrotum

The author states that testicles returned to the abdomen do not hecome malignant also that testicles returned in the intra-abdominal position maintain their power of internal secretion but lose the power of external secretion

In the author's work for the past ten years his cases have been treated as follows

Orchidopexy about in per cent Orchidocelioplasty about 50 per cent Orchidoplasty about 40 per cent

The treatment suggested for the condition of imperfectly descended testicles can he summed up from the point of view of the age of the patient as the condition is a congenital one

At hith and up to the age of five years the case should be watched to decide whether the testicle is merely late in its descent or not. If a berma is seen in he present an operation should he performed concluded by orehidoplasty

From 7 to 20 years of age an operation should he performed whether a herma is present nr not Enther orchidoplasty orchidectomy or orchidocelioplasty may be done

Above 20 years of age orchidectomy should be done V D LESPINASCE

Thompson R. An Operation for Undescended Testici Lencel Lond 0 4 cl xxvi 535 By Surg Gynec, & Obst.

The author enlarges the scrotum by inserting 1 to t an elliptical flap cut from the edge of the hermal musion This flap is turned down into the scrotum and sutured into th acrotal wound By this means the scrotum is enlarged and, as it were stiffened by a portion of tissus which contains no dartos muscle and therefore remans uncon tracted The simplicity of the operation and its successful results in two cases caused the author tn place t on record V D LESPINASSE.

Clark J B The Surgical Treatment of Acute Conorrhozat Epididymitis by Epid dymotomy Ann S g Phila 9 4 hx 739
By Surg Gynec & Obst.

For those cases of epididymitis which are accompamed by unusually se ere pain with considerable swelling and high temperature the author recom mends his modificat on of the Hagner operation The operative field is sterilized with two and one half pe cent tincture f iodine and an oblique in casion one and one half inches lo g is made down ward and forward n er the epididy mal swelling The incision is carried down to the tunica vaginalis which is apened the length of the skin incision. The edges of the tunica are picked up by hæmostats The thickened fib ous tissues coven g the promi nence of the pididymis are incised fo o e half an inch over the prominence of the swilling and a probe is passed gently in several direct ons intath substance

of the epididymis. If pus is present it is easily drained off. In all cases relief of tension and drainage was established.

The advantage of this operation is the lack of triumalism to the testicle as this organ is not delivered or the parts brussed by handling. In cases where the body of the epidolymis ar globus major are involved a freer incision or turning and of the testicle will be faund to be best A wich, made at rubber dam serves as dramage. The author recommends one of time deep natures of exigus, and two or three all-worm gut sutures for the sam. The drain is removed in forty-eight bours. On the fourth day the panient is allowed in get up on the fifth day the statches are removed. Six cases of bilateral epidolepistonics are red from the literature. Two

Steiner P The Surgical Treatment of Atrophy of the Prostata (D chrumsch Behand og de Prostataurophe) Zitche f U d 914 242 By Zentralbi f d. ges Chur n 1 Germen

The author had five cases in which the fanctional disturbences characteristic of hypertrophy of the product we represent but in which the prostate was cound in he small weighing from 3 to 5 gas. He enucleation by Freyer's method was difficult he management of the small weighting the small control of the small weighting the small weighting the small lar cases. Falpatinn through the rectum against a sound introduced into the urchins was expecially haracteristic in the duagnoss. In all cases econy was completely successful recovery pensiting siret periods van in grown to 12 a mouth's weighting siret periods van in grown to 12 a mouth's weighting siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in grown to 12 a mouth's siret periods van in the siret pe

Keyes, Jr. L. L. The Mechanism of Prostatic Retention. Am J. M. St. q. 4 cal. s. 673 By Surg. Gynec & Obst.

The author distinguishes two clinical types of prostatic retention chronic incomplete or complete retention and scute complete retention. Retention represents the interaction of two forces the bladde muscle and the obstruction.

In considering the action of the bladder muscle the author considers the condition of the nervous mechanism as well as the condition of the nervous mechanism as well as the condition of the will. He bladder muscl a the man agency in the apolicy or alsowness with which a patient passer from the bladder muscl a the man agency in the apolicy or alsowness with which a patient passer from the first the muscle is not the only element in this case the muscle is not the only element in this case is abown by the fact thet the blotting paper bladder is little more table to muccluster with a normal muscle. The author states he belief that no partly was considered to the state of the state of the muscle as the Chet wood operation may result in impuries.

ment He cates cases proving this. He coincides with the opinion of Alexander in ascribing the retention of urine in typhoid and other wasting daeases to setual muscular weakness combined with weakness of the will and cate cases.

Under obstruction the author considers the en larged prostate and the bladder neck. He believes with Sir H. Thompson thet not more than hild of the men whose prostates are enlarged suffer from retention and the retention occurs without hyper trophy. He believes that the size of the prostate

has sothing to do with the amount of residual time. The ride of prostate hypertrophy in returning the behavior of the prostate hypertrophy in end titled sufficient cause for retention. In order to cause retention to order to cause retention to hypertrophy must interfer with the outflow of unne and may be due to deformity of the bladder neck or to actual compression of the urethra in the outflow of unnecessarily of the control of the prostate of the prostate

wrethra from the membranous portion to the neck. The compression of even greatly enlarged lateral prostatic lobes probably has little or no effect on the outflow of urne. The author believes that the obstacle is much the same whatever the cause whether st he middle lobe lateral lobe or general hyper trophy or contracted bladder neck. This obstacle is the muscular ring at the bladder neck, which normally is an elevated ridge most prominent on the floor of the wrethra because the roof is more fixed by means of the puboprostatic hyamenis. In pathological conditions this bar of bladder neck rises up on the floor of the weethrs as an abnormal obstruction. This is the mechanical cause of pros own unition. Ame is the mechanical cause of price that retrainon. In explanation the author assumes that as the bladder empires tiself the ingoon as somewhat cleared forming the first of the fun nel, which in the normal bladder begins in the prostate portion end the remainder of the bladder closes down upon this funnel the lowest and highest. points in the bladder cavity hing posterior in the trigione and being mpt of last in retention the tinned is so inadequate one. The bladder neck fash to open as it should and the result of the effort to squeeze out the last drops of unne is in close the bladder neck. The losure should be interpreted not as a sphinctene grapping but as the dri ing of the prominent lower lip of the bladder neck against the upper wall of the proststic urethra in th form of a val e The harder the patient strains, the tighter the valt closes

Chronic ret niton is due fundamentally to a un bally of the bladder pulneter to open antil the bladder ra partially full. Acute complete retention is due to a congestion or spans at the bladder not of such miematy as to apply the posterior tip of the sphacter against the antieror eren when the bladder is full. Various combinations of obstructions to the chinical phenomen of prostatic retention and the gradual professes of the increase in the amount of the gradual progress of the increase in the amount of retention of unne as the time goes by te largely due to a gradual decrease in the strength of the bladder muscle. Proctatectomy should be only a means to an end that end heng remo al of the obstated at the bladder neck although all other obstructions chould also be removed. Technically the penneal route :s at a disadvantege and the suprapulote as mechanically superior.

H J POLEEN

Thomas J L. Note on a New Combined M thed of Prostotectomy

Lenc I Lond 1914 t
By Sung Gy ec & Ob t

The author follows a rather singular technique in carrying out his suprapular prostatectom, to soon as the bladder is opened and empited of urine he pours about an ounce of pure timeture of sodine into the bladder before proceeding to enucleate the prostate. He then impects institute of sodine through the meatus along the welfar into the prostatic hed. The operation is concluded by penneal dramage. Hissaw L. Karrsinara

Legueu and Morel: Valua of Losinophilis in tha Diagnosis of Surgicat Diseases of the Prostota (Valeur de 1 des philic dans le diagn in d' affections chrungscales d la prostatio Arch ard d la cl de Vector 9 4,1 205 By Journal de Chrung

In 19 3 Morel and Chabanier found cosmophilis in cases of adenoma of the protiste Legues and Morel ha e pursued this research further in order to find whether the examination of the blood could be utilized chincelly in prostatic cases. They report the resulte of blood examination in 85 patients with different diseases of the novotate.

r In 40 cases of aderioma of the prostate even when there were no septic complications there was a leucocytosic that amounted on an average to 13,000 per cem. The polymucl ar cosmophiles e-pecially were increased in 30 cases out of 20 that is not provided in the provided of the common and t

The blood in cancer of the prostate above an increase in polynuclear to 87 per cent and a decrease in the cosmophiles to o 4 per cent. Thus the blood picture in ancer of the prostate with hypo-cosmophila is charply distinguished from that of adenoma which shows hypo-cosmophilis. Examination of the blood mey serve to make the differential diagnosas between adenoma and cancer of the prostate in difficult cases. Comparing the climical and demantiological diagnosas and the later microscopical findings their results were as followed to the comparing the compari

scally 10.35 casee the blood diagnosis confirmed the churcal diagnosis of adenoma a, three it was doubt ful and it showed admonta in the case which had been diagnosed chuncally as cancer Of the 37 cancer cases reported the churcal diagnosis had hene cancer in 15 and adenoma in 13. Blood ex amination confirmed the 15 clinical casee in to casee it corrected the chinical diagnosis of adenoma in three cases both clinical and blood diagnoses were wrong. The authors conclude that blood caranina but the production of the control of

MISCELLANEOUS

Essendrath, D N The Value of Red ography in the Surgery of the Urinary Tract J W & St M Sec 914 sm 28 By Surg Gynec & Obst

Eisendrath calls attention to the great addition in diagnostic technique offered by the X ray the shad owgraph the ureteral catheter and collargol injection of the ureter and rens pelvis. He emphasizes the necessity of careful preparation of the patient hefore the radiography co ac to climinate ac much as possible any extraneous shadow due to accumula. tions within the digestive tract and explains in detail the variations in technique in pyelography and the use of the chadowgraph catheter. The article which is illustrated with helpful schematic drawings of the regione examined accentuates the necessity for careful differential diagnosis between lessons within and of the unnary tract and those without which are likely to cause confusion by rea son of the similarity in shadows as shown on the rontgen plate Proved extrarenal shadows are from-

- I Culcified areas due to tuherculosis of the Lid
- 2 Areas of chrome induration of the Lidney
- 3 Atheromatous patches on the renal artery
 - 4 Calcified retroperatonical glande 5 Areas of ossification in the tips of the transverse
- processes of the lumbar vertehrar in the last costal cartilages, or of the last two ribs 6 Gall stones pancreatic calcub or calcified areas in cancer of the head of the pancreas or entero
- bths in the appendix
 7 Calcufic ison of ulcerations in the walls of the ureter
- Estra ureteral shadowe are due usually to one of the following
 - calculed retropentoneal or mesenteric glands.

 Enteroliths in the intestine or the appendix
- 3 Areas of calcification in sacrosciatic liga ments, myomato of the uterus in dermod cysts in the o area in the prostati or in the was deferens 4 Phleboliths in the pelvic ems or areas of cal
- caficatio in the iliac ess !

 5 Calcification in the wall of the urete

J S. CHEMPTARDY

SURGERY OF THE EYE AND EAR

EYE

Ellett E. C.; Some Remarks on Glaucoms J Tens St M Azr 1914 v 461 By Surg Gynec & Obst

Ellett finds the tonometer an instrument of precision for estimating the intra ordist tension 35 to 45 mm as placed as equivalent to 4 a 45 to 65 to 45 mm as placed as equivalent to 4 a 45 to 65 to 45 mm as placed as equivalent to 5 mm as the second in some fashirm of n prace of the active fashirm of n prace of the active fashirm of n prace of the active fashirm of n process of the active fashirm of n process of the active fashirm of notice of the active fashirm of notice of the active fashirm of notice of the active fashirm of the fashirm of notice fashirm of the fashi

W iton C. B: Glaucoma as a Contributing Et alogical Factor in Insanity with Report of a Case Ophik Res 1014 2211, 7 By Surg Cynec & Obst.

To relieve the interne pain to the eyes, the family physican administered opiates for several months or until the patient became blind. The patient as history was good and no history of insanity in the family could be obtained. The patient aged 69, had never previously had any disease of the eyes.

The tension taken with the Schools tonometer measured in the right eye 70 mm. Hg. that of the left 75 mm. Hg. An Elhott operation afforded the patient relief from the pain. Gestavos I Hootz

Fox, L. W. Modern Operations for Glaucouss with Especial Reference to the Elliot Operation of Corneoscieral Trephining 11 i Surtion 9 4, xxx 30 By S 15 G) et & Ohat

For a few briefly to the most important of this modern methods of procurage a permanent filtering custum for the ruled of glascoust. Ethors a permanent finding, steps of operative procedure and doubt of the most glascoust has given the state of the first of the state of the sta

MacGillistry A Subconjunctis 1 Cotaract Extraction Ed b M J 914 Mu, 4 B) Surg Gypec & Obst

The sulbor has dopted a method f extraction simil t to that described by sc eral waters in the past and finds 1 of value in cases so which prolapse of the vitrous salachy to occur those in which post-operative quart as impossible and those in which conditions of assepts are not ideal. The usual corneal section is made buy the blade is turned past before cutting out to so to form a conjunctival budge at least ten min long. The first is delivered made that the min ow without her is the conlined that the min ow without her than the con-

Whiting M H. The Estraction of Deabetic Canamacs Precisioner Lond 914, 201, 573 By Surg Cynec & Ob-t

Whiting anys that it is not widely appreciated that the same danger self in the synformation of ophthalme operations under local assertation, as those recognised in general surgery with greatel ascertaktics. A diabetic case may be progressing accorably but the disturbing mental effect of an ordinary catariset ratiraction may precipate coma and a fatal transmation. The best operation is simple extraction Before operating the following pends must be kept in user (1) till cosume must be reduced to a minimum (2) Accions and discrime and must be absect from the urine. These two conditions are not always compatible when such the case the second should talk the prop place.

Jenkins, G. J.: Cass of Hermatoma Auris Operators Treatment. Proc. Roy Sec. Med. 9 4 in Old Sect. 55 By Surg. Gynec & Ohst.

An excusion was made and the blood removed twa and one half hours after the tayary. The blood which was mostly fluid but wit some clots in the lower part was on the e ternal surface only and extended somewhat into the meetur. The present condition seems to justify the procedure.

L B FOWER

Bennett F W and McKennia, D Acut Pu ulent O'llis Media with Sign of Acut Labyrantholis Recovery without Labyranth Operation Free Rey See Ved 914, 10 M Set 20 By Sing Gyac & Obs.

In this case a cottral instead operation as performed on a woman 9 jears I age fi weeks after the ouset of an indistinal initia meth but fe er vertige and a fanes continued. It is second operation, three needs late: the models for operation there was a factorial with the company of the control of the cont

Brown E, V L.1 An Anatomic Study of a Case of Temporal Conus (Coloborna) in an Hyperopic Eye deck Ophik 1911 xini 254 By Surg Gynet & Obst.

The essentials of the enture finding consist of a rescentic defect in the pigneant epithelium and all the layers of the chormides along the temporal border of the date in so eye of the hypermetropic type—31 min annih length of the hypermetropic type—32 min annih length of the date. The most the enture defect is hindged over and filled out by a fold or duplication of the retina. The safe defect of the two nuclear layer of the retina. The nere-fibers go over note the nerv-head m a normal way. The antenne layer of the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consu, but the selects are shrent over the gloor of the consultant over the gloor over the gloor

In my opic count the length of the eq-ball it uncreased and the choroides from away from the margin of the disc. The condition is therefore detelopmental and not congenital as must be assumed in the case from the about ans. In the non myone eq-the count, or coloboms is due to an overgrowth of the secondary optic vende at its junction with the optic nerve at a time when the mesoderm of the sclera and chonoidea has not yet been laid down. The retural fold these effect; of blocks the development of the choroides and sclera at the nerve and the count results.

In the only other case reported that by Elschnig, the temporal conus (coloboma) was deeper and involved the optic nerve sheaths

Lake R. Patient after Operation for Aural Vertigo Proc Roy Soc M d q 4 Old Soci 5 By S rg Gyner & Obst

The symptoms were of ?) ears standing in a man by lears old. Mo ement appeared in the vertical plane and any attempt to mo e caused marked deviation to the right. The left ear was totally deaf. A complete establishmy was done with

relief from symptoms E B Fowks
T bbles, S. G Two Cases of Ocular O sease Assoclated with Pyorrheca Al solaris Bril M J I

9 4 755

By Sung Grace & Obs.

The author reports a case of Isalog visio of
the month progress o an adult Correction of
a purulent dise see ro nd the teeth resulted in the
clearing of the attroous spacities at first present
and the return of visio w, the marked unprovement

o general health
In the second case an indervel to cleared rapidly
after sural treatment

E B Fowler

Holden W A A Fifth Case of Acute Dissemin ted Vijelitis with Retrobulbar Ioffammation of the Optic Verves. 1 & Optic 9 4 xhu 3 By Surg Gynec & Obst.

F There w s complete blandness of one eye sod all most complete blandness of the other with subsequent restoration of useful vision in each. There was a lateral hemispopa in the field of one eye only. The history of the case is given in detail. Waster mean blood reaction was negative. Siry chura was administer of Gersevit i Hoote.

Milligan W: Cerebellar Abscess; Operation Recovery Pec Roy Sec Med 1914 ii Old Sect 22 By Surg Gynec. & Obst.

The abscess complicated a chronic running ear was disposed opened and drained and the patient recovered. In the discussion Jev-kin's brought out the fact that in some cases there was a more definite localization of the pain immediately after the lumbar puncture

E B Fourse.

Parker W. R. Report of a Case of Dermoid Cyst of the Orbit Producing Marked Exophthalmos, Rel seed by tha Kronlein Operation J. Mark, St M Sec. 9 4 nm 335 By burg Gynec & Obst

Parker reports the case of a somao aged go who had been to oblied with undateral progressive from the date there is no some aged go with the complete of the control of the

Reinhold C II Sciencomeal Trephining for Staphyloma India II Ga 19 4 zhx, 81 B) Surg Gynec & Obst.

Renhold is satisfied that a reduction of anterior sixph jossis can be effected by vicefrocorneal triphine. It is remarkable that from 17 unselected cases the compared upon a restoration of "quite normal curvature resulted in 5 and nearly normal in Cases. The degree of sixphyloma xamed from rounds to 10 years. In unprovement of vision was recorded in 5 cases. The best results are to be autocapated where clear cornea is present in the pupillary area to recent cases in which the scar tassus 1 still preliating, and in control comes. The tassus 1 still preliating and in control comes are most wholly coroselly and with indecenone at

FRANCIS LANE

Walder W II and VecCullough C. P Sporotrichou of th E₂ J in M 1 9 4 ts 56 Br Surg Grace & Obst

The authors repo 1 a case of conjunctival sporminchose in a student who had been working in the laborat ry with cultures 1 amous stra of sporching and the strategy of the strategy of the containing implication of the organism were broken at a datance of 3 or o inches from the face. One exeming he noticed a soreness of both cys. togeth resolution in the strategy of the strategy of the swellen the pulse was accruated and the sure magnificalymph glands were quite tender on pressure. The pum arealing of the cycle of and photophobia in creased The conjunctiva of the eyelids of both eyes was reddened and so swollen that the former rolled but in a mass when the lower his were everied In addition there were present on the palpibral con junctiva and also on the formers several grayish yellow slightly elevated spots varying in size from o 5 to 3 mm in diameter from some of which the covering conthelium had been cast off so that they seemed like small ulcors \umerous folliel a anpeared in other portions of the conjunctive

Seven days from the onset the general condition was worse the patient had headache and molaris the temperature was ror the leukocyte count was The following day the t mperature was ins" During the night a sudden pain occurred in the left knee on the internal side of the upper end on the tibus in the morning the limb was very sore and painful on pressure or motion. Two days later there was pain in the left elbow wast and the lower end of the night femor which was very sharp especially on pressure and motion

The following day the pains were still persistent. The temperature was in the afternoon, the conjunctive was much improved the ulcers had bealed

In two months the lide were normal Cultures showed the colonies were typical of sporothria each being distinct with a center ming in ridge formation like the peak of a mountain Microscopically there was an abundance of long filaments and round or oval spores the latter were not only in the filaments but also free The negan sams were stained with the ordinary dyes and retained Gram stain At the end of a week Gram positive oval bodies were seep in amears of pas from the eye these resembled approthrux but were found only singly or in pairs no definite clumps being observed. Seven teen cases of sporothms of the eye are reviewed

Some of the charcal features of this refection are common to other conditions Lymphadenopathy would be present with chancre of the conjunctive but in the initial leason of syphilis it is very unusual to hero such mult ple crouous ne ulcerations and scrapings from such an ulcer would probably abou

the characteristic approchate Tuberculous of the conjunctive would probably not be so rapid in its course but it would be a week or more before the caseous tuberculous nodule would break down and form the ulcee whereas in spore

trichosis the hit! ulcers develop in a few days Parinaud a conjunct vitia presents more points of similarity and it is possible as mentioned by Moras

thet case of aporotinchosis may have been mistaken for Parmand co junctiv us

In the latte the v getations on the conjunct us are differ at from the f likeles and the s llowush The ad n pathy in nodules of approtrichous Pannaud co i n ti it spoints to use creini ci on but all attempt to isolat rganusm from the lessons ha e fa led Rec atly how ee \ hoeff nditio n orga sm bke has observed n auch leptothux On the oth hand the diagross of approtrichous is asy fa rat res fr m the ulcers or

nodules are moculated on appropriate mediums and left at from 18 to 20 C for the organisms appear in from three to ten days.

Grout G II A Case I Permanent Impairment of Vision following Gastro-Intestinat Harm-orthage inth Opini but lin, 14 By Surg Gyace & Obst.

The anthor reviews the literature on the impair ment of vision following excessive loss of blood He believes in the Holden theory i e that the retinal achieves produces a degeneration of the ganglion cells. The man 66 years of age gave a negativa history asva for the hamorrhage which lasted three days GLSTA ES I HOGEL

GAR

Cucutngham F M: Chronic S ppuration of the Middla Ear J M tes Ge 410 By Surg Gypec, & Obst.

It is the author a opinion that chronic auppuration of the middle ear is a more frequent condition than many think from chinical beer ation and that not a single case in which necrosed bone has been determined has ever been cured by irrigation

It as strictly a surgical disea e to be treated by thorough removal of every particle of diseased to sue regardless of the area it occupies in order in avoid the development of intractanual complications as atatistics abow that one case to eighty eight has

some intracranial complication The author gives th history of twel e cases alln trating his theory that chronic suppuration is a urgical disease curable if so treated before intracranial complications develop

CLIEN J PATTERSON

Stilligan W Muligeant Dueane of Externat Ear; with Esten t a Invasion of Temperal Bone, Operation Recovery Proc R ; Soc Med 1914
Old Sect & By Surg Gynec & Obst.

An operation was performed on a woman fifty f or years old in whom most of the right unch was ulcerated away and the glands at the angle of the gaw and in front of the at momast d had becom in ol ed. After bistion of the external caro-tid the ulcerated area, the underly: g bone and the glands were removed Scarlet red in live oil and the Finsen I ght were used in the after treatment and for a period of a x months there has been ne I B foats evid are of reurrence

Mckenzie, D Stastoid its without Perforation of the Tympanic Membran Proc R v Sci. M d. 19 4 Old Ser 9 By Surg G) nec & Obst.

Follo ug the removal of the tonsils and ade oids in a child of six years there was slight pain when the car was touched but no genuine cars he th membrane was normal: ppe rance d at no time was there any discharge from the meatus. On the third day the mastered region becam a offen said the bone was opened at once The masterd cells were occupied by pus and granulations Recovery was uneventiul

STUART LOW brought out the fact in the dis cussion that these cases were usually influenzal and that they usually followed an affection of the throat C B FOWLER

Canesteo C. Parotid Fistulæ Following Vinstald Operations, A Otol Rh of & La ; gol 9 4 XXIII. 148 By Surg Canec & Obst

The author reports a case of parotid fistula fram the lower end of a mastord masson the fistula appearing immediately after the operation which had been performed two yeare previous. The usual treatment of gal anocauterizations and injections of tincture of iodine praying unsuccessful Beck s paste was used and two injections permanently closed the fistula

In reviewing the literature the author was able to find only a single case of fistula of the parotid following immediately upon the operative inter vention There were four other cases in which the

fistulæ appeared much later

Concerning the cause of these early fistular the author believes that they are due to an operative wound of the salivary gland due to one of two con ditions (t) in anomalous conformation of the paroted that permitted part of the same to cover a considerable part of the external surface of the mastoid (2) an abnormal locat on on the mastoid of a gland somewh t hyperplastic on account of bust acute or chronic inflammatory processes that took a latent course in which case the fistula would have followed a les on of the percent due not to the incision but to the ma inultions a detaching the periosteum made more dificult by the new forma tion of very strong adhesions Orro M Rott

Beck O Fintule Symptom in Non Suppurati Buseases of the Ear A Otel Rh nel or Laye-tel 0 4 xm 53 B Surg Gynec & Ob t

The author reports two cases 1 which movements of the eyeball were obt nable by compression or aspiration of air in the external auditory canal n both of which the drum membranes were normal One case was that of a little girl with hereditary lnes and this case showed with compression a low movement of both bulbs the other case a man with acquired syph l showed a fistula mystagmus with rotatory and h rizontal components. In pether f these area was any history of suppuration obtain able and th condit n of the ear-drums spoke against uch possibity

As to the que tion f how it is possible in the absenc of upp ra 10 with an intact ear-d um and presumably 10t ct ossic la hain to produce h lhous movement through crease or decrease of the air pressure in the external and tory canal, three explanations are ff red (1) in the intens ty of the aur-pressure increase (2) in the fa orable or un favorable circum t aces through which this increase

of pressure can be transplanted into the labyrinth (a) in the arntability of the laborinth itself

The first explanation is disregarded by the author because all cases were submitted to the same deerre of pressure. The third explanation is likewise disregarded from Mexander's own caperiments The second explanation seems the most plausible As to the question of where upon the lateral wall of the labymuth the air compression or aspi ation produces its effect the author is of the opinion that an abnormal mobility of the stapes is, in all these cases of normal middle car the chief explanation of the phenomena, both of the slow movements of the ever and the typical fistula nystagmus since the anatomic coud tions on the inner wall of the ear seem to speak against the possibility that any other place can be regarded as the point of attack for the irrita 1100

Both of the cases cated showed more pranounced subjective and objective symptoms by compression than by assuration OTTO M ROTT

Stein O J Syphilis of th Ear A Otel Rh al or Las gal Q 4 xxml, 6 By Surg Gynec & Obst.

The subject is divided for convenience of discussion into lesions as they affect respectively the exte nal car roaddle ear inner car and intracranial

In the external ear the chances or ulcus durum is hard and infiltrated usually single and umbilicated spirochets pallida rosy he found on the slide and the seighboring lymph glands are enlarged and sensi-tive. The usual location is about the external meatus Lines of the drum occur as a papule or

minute gumma The secondures are in the form of condylomata at the posterior auricular attachment but when found about the entrance of the meatus they resemble granulations or polypi The maculopapular eruption has been observed in the canal and on the drum

The tertaines are manifested by periostitis of the

bony canal and by gumma

In the middle ear lues is considered a common cause of disease but there is no description that will characterize a ouddle ear syphilis clinically An endacteritis of the mucous membrane and a percentates of the bony walls, aside from gumma constitute most of the pathology in this region Lues of the tahe in the primary form may he seen at the faucial end as secondaries it appears as an erythema or as pearl hie plaques

In the inn r ear the symptoms are like those of any other nerve deafness with or without the vestibular symptoms The deafness comes on quite suddenly in fact often over night or after some prolonged e posure or exertion. The path ogy consists of a r und-cell infiltration and hyper plasts of connects e tissus substance expecially of th periosteum. There may he a scrious lahy mathit's following a severe hyperamia and even

jus Lew bone formation chronic endartersus and hamorrhage intu the fibers of the cochlear nerve leading to atrophy particularly in the lass cod and the cells of the st nal gangloon. Gumma may be found in the peratrous hone. Pertoate f thickening causing pressure in the internal and tory and may result in paralysis of 1 sth the set oth an 1 e ghth nees es

In the lattacrapial r gion the lesson mar be in the cortex la the and beam ethe nu lei la the crebel lar pontire angle and in the crelellum The justhology is meni gitts endartentus and gumma. latinosely is name garden and guarantee late to the constant and guarantee late the constant and the late a rapid onet prod on a k first of at least of se cre legrer of ght or absence of transity area sted protean me a f tations of cut I tokerebellar har acters normal dram as I pen tubes as strengly presumptive of inte e alal luca. Orno V Kore

Scott S.t An Lucommon form of Valignant Disease of Lat I or Ry Set Md 1914 Und Sed By Surg Gy ca & Obst

The pathological finderer in a the rate 2 growth resen bled a roseat ult t with large nam bers [Lerst suze] atheb | sell pe to (la idular meta taxes had vector d I I fo Ith.

Sh min gh C E. Ti Semicircular Can t and th fun tion of Equilibrium 1 (14) Ri al th fun themselves and the grant they golden

The author conception of the organ of the labs notice through which the semi tinular canals play the r part in preserve & the equilbrum of the body is that these fraubes manate fr m the hardells file en e ar i that they are the result I a cumstant stuns I tron Th normal at mulat on file halre it of the er te s brought about by th impaction of end himph cur renta against the upola ? ulting in an it faction between the put ad the hat of the h at t fla. This the author belt a is kept up ju the by math by the plast ns oc st d with each be t fih heart beca we with ach I hath a there must be a

rise and fall of metalaby mathine pressure and with each increase and decrease | intralabermiting pressure there must result a slight to and Im mot on of the endoly mph which would be sufficient in krep up a constant stimulation of the hair-cells on both atte of achemita.

In order to understand the clinical phenomena res ling from undsteral d turbance of laborathine tonus - which are (t) in increase in tonus from the affected laby rinth produces mystagmus inward the same sale (2) a complete suppres on of tonus in the affected labytonb results to a systamus t ward the apposite sal and (3) an intracranial stritution produces systagmus again t ward the affected side—the following lacts regard g the physiology of these canals roust be kept in mind

? The impulses from each canal sumulate only those muscles the mos ments of which he in the

plane of the carel 2 I roution of endolymph in one direction in a canal atimulates only those has cells un the side of the crista r cer rg the impact in ord c in stimu-late the har-cells on the promie side of the crista, an e dolymph curre t in the opposite d rection is

necessary 3 In ea los my 's current in one direction in the ment t and one sale an endoly m in ourr nt sa the owneste direction stumplites the munica heb pro-

duce motion in the opposit direction

4 Ign ter stimulation result from an endobanch current in o e direction in a seminated

canal than in the proute

5 In all three f the semicinular canale the great er restorne a obtained from those a july migh cut rents which summiste the muscles producing mystag n as tows d the same and

From the above t is evident that impulses emaeste from each canal prod in, nystagmus in enter direction the tronger always being those both produce no tagenus I wand the same sude These lacts espain the symptomistic gy f no tagen a in the sade of that laby such which has become affected Orro V Ross I andammatory processes.

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

Alexander L. D. Adenocarcinoms of the Nose Chronologic Review and Case Report A Olei Ri nel & La ; gol 1914 xxiii 97 By Surg Gynec & Obst

A study of the 21 cases in the literature shows that adenocarcinoma which the author defines as an sdenoma which has undergone carcinomatous devel opment sections of which show a permicious proliferation of the glandular cells showing areas of coolusion in their arrangement and resulting in penetration of the basement membrane is essen trally a disease of the cancerous age though an early onset is possible as is evident from two of the cases in which the ages of the patients were 12 and 13 years respectively. The influence of sex is negative as is the side involved

The predilection for the middle turbinal and ethmoid region as evidenced in 13 cases is signifi cant in view of the imperfect surgery performed in

that remon

Absence of pain even when extensive in of ement of adjoint g structures has occurred is a noticeable fact The absence of lymphatic in ol e ment is more apparent than real

In the oninions of the authorities quoted the outlook is most hopeless but the author helie es that better results will be accomplished by the routine examination of polypoid growths leading to the early recognition of those showing hegintung malignant changes and the discovering of coexisting pedicled mahemant growths Orro M Rorr

hahn II. A Short Study in the Ettology I Nasal Hydrorrhoza w th Case Reports Otel Rh not & La ; gol 9 4 81

By S rg Gymec & Obst

There are two types of nasal hydrorrhosa () The cerebrospinal type in which there is a definite anatomic loss of continuity in the skull and a hiatus is formed through which the fluid pours into the nasal cavity (2) the pure nasal type which may vary from the parovy smal hintis to the almost painless non irritated variety with only an abnormal watery discharge from the mucous hining of the nose

It is the latte type which the author discusses and which he helieves is disturbance of the sym pathetic ners fibers in the nasal mucosa caused by some irritant o by nervous shock similar to a tortured animal grang rise to a change in the function of the fibers and causing vasodilatation and extra asstron of watery fluid Two cases are reported in uppo t of this view

In the first the girl was tormented by he work and

the realization of her immense responsibility in the second case the rhinorrhota followed in a short time after the death of a parent throwing on an erstwhile carefree garl the support and responsibility of a family OTTO M ROTE

Schotly I A Note on Natal Strechies Am I Sure O A XXVIII 180 By Surg Gynec & Obst

The author considers synechis usually the result of operations or ulcerative processes in the nose to be treated only when they give tise to symptoms as the permanent cure is one of most difficult problems

confronting rhinologists After the removal of fibrous synechize by operation or electric current re forming of the band must he prevented by the use of some mechanical device like mica scales cellulaid or hard rubber plates and the nationt must be seen frequently until complete healing has occurred PLIEV J PATTERSON

Whe, C. B Physiologic and Pathologic Relations f tha Eye and Accessory Sinuses of th Nose Lary 1 to be 9 4 xxx 406 By Surg Gynec & Obst.

In the chronic non-suppurative form of sinusitis. the ocular manifestations will be more obscure and

uncertain than in the suppurative variety
Opinions differ somewhat as to which sinuses are most frequently involved in producing these ob-

scure eye symptoms but the consensus of opinion is that the ethinoidal sphenoidal, and maxillary sinuses in the order named are most frequently involved The orb t is from one half to two thirds surround

ed by hony cavities which are in direct communica tion with the nose consequently pathological cheages of these ca mus may profoundly affect the ocular structures The immediate and pronounced favorable re-

sults obtained from surgical treatment of the accessory cavities should he proof of the relationship existing between the nose and the eyes CLIEN J PATTERSON

Lubman V Improved Method of Removing the Posterior T p of the Inferior Turbinate L ryn-№ 0 4 XI 301 B Surg Gynec & Obst

W th a colored thread t ed hy means of a sailor's Luot to the center of the wite loop of the snar the author passes the snare along the floor of the nose slightly further than the t p of the inferior turbinate Leeping the thread directed to the septal side By ng the thread with the left hand the wire loop will hend at right angles to the tip and encircle the hypertrophied mass ELLEY J PATTERSON

THROAT

Henke F New Experiments as to the Physiological Significance of the Totalis (New experimentalle Festivalingen über die physiologische Bedeutung der Tonullen) Arch f Le 1 gei z. Rh ei gza

ax m s3
By Zentralbi f d ges Chur u I Grenageb.

To study the relation between the lymphatic system of the nasal cavity and the tomula, Lenart injected weter and tissue fluids containing insoluble meterisls into the nasal mucous membrane of living animals and he could demonstrate the granules an the tonsifs as hours after the injection. In order to get en exact answer to the question of the rela tion between the lymphatic system of the nose and the tonsils. Henke went over Lenart a experimenta and came to the same conclusions Then he under tonk similar experiments on patients He Injected very small quantities of sterrized fluid containing soot into the nasal mucous membrane After periods of from six hours to six deys the tonsils were removed and as e tule black particles of sout could be demonstrated their distribution in the microscopical specimen showing that they must ha e reached the tonsils through the lymph vessels. If the tonsils were removed a few days later the soot particles could no looger be found they had been brought to the surface of the tonsils by the lymph stream and excreted Mer the my ction of the fluid con taining soot into the gums the soot particles could also be found in the tonsils showing that there are lymphatics connecting the gums and tonuls order to prove beyond a doubt that the soot particles are transported by the lymphatics and not by the blood the asme e periments were performed on the

cadacts with the same revolus. These experiments show that the function of the tonula to similar to that of the ordinary lympholands. They serve to form are white blood cells and act as a filter for the lymph their they showed the control of the

II doon linkurs G Surgery of Feucial Tomail, as it Relates to the Functio s of the T egu and Soft Falats in the Prod cton of Vence.

Leryng cope 9 4 222 So By Surg Gyner, & Ohst.

The enthor urges greater conservations in tonsillar surgery basing his ergum his upon a thorough study of the mechanical functions of the tonsil in abountion erticulation and deglus to

The systemic functions of the tonsil may never be

known because of the difficulties which arise in making the necessary investigations but the functions of the tonsil in phonation and articulation have been determined by a study of its anatomical relationship to the tongue soft palete and laryin

The tonsular surgery of childhood should be as cooservative as possible because then if ever the tonsuls are exercising their systemic functional activities and the tonsular surgery of adult had should be conservative because of the mechanical functions of the tonsul in extract workington.

ELLEN J PATTERSON

Beck J C.: Cancer of the Larynx with Special Reference to Radium Therapy A Old Rhad is La y rel gra xxm 66.

By burg Gynec & Ohst.

The suther states that he has seen no permaneer cure of laryngeal cancer by radium therapy but he draws the following conclusions from the four

cases which his has thus treated and now reports
1 None of these cases of carcinome of the larynx
ran the course th i similar cases do without radium
therapy

2 Distinct destructive changes, even microscopscally proved of the cancer were observed

scally proved of the cancer were observed
3 I ain was practically absect
4 The action of the radium differed in some of
the cases, as in two the growths disappeared at

least for a time while in two they did not in fact the cancer grew 5 The effect of the radium on the salivary appa-

5 The effect of the tachum on the sanvary apparatus was very distinct
6 General symptoms similar to the cachesia, but still differ g in some ways could be seen when-

ever the radium as used for any prolonged period.

From the positive results obtained by the
writer to some of the superficial extruments of the
most mouth and palate and from the good results
of others who treat superficial exacers, it is the belief
of the writer their much larger does of radium element employed in the treatment of carcinoma of
the largus would possibly e m such condit one
especially if employed early. The enther has been
employing to my radium element

Orro M Rost

John tou R. H. Straight Direct Laryngoscopy
Bronchoscopy and Esophagoscopy An J
Surg v 4 sx m 8 By Surg G) ec & Obet

The writer care cases showing the value of direct methods with the head strappin and belves these methods are noth learning however expert the observer may be with the miror Thus spide-expectably to children where the use of the surrors att noder with great difficulty and lates my be saved by the use of the direct larympacope by walking on early disapposes of odema or adoptions and treatment I chrome larympins in adults, orderastical large the size of the control of

latter may also be successfully cared for by the in direct method

With the direct laryngoscope n differential diagnous of simple acute ordenatous subglottic and membranous laryngous can be made Membrane in the last case is easily recognized and prompt administration of antitoxin would probably do away with the necessity for intubation In removing a tuberculous epiglottis it is much easier to see what is being done by the direct method and hamorthage is much more easily controlled by direct pressure. This also applies to tuberculous of the rest of the lary ax and there should be no hesitancy about removing through the tube as much of the diseased tissue as may be necessary The cautery may also be applied with ease through the tube Singers nodules are best treated by removal through the direct lary ngoscope with the head straight and by using a small tube easily accomplished w thout injury to the cords and if skillfully done the voice rest cure is never Becessary

Laryngeal papillomata in children can almost al ways be diagnosed with ease and ured by remo al and treatment with the high frequency spark through the tube. The author uses a spal of about one fourth inch and the numors mell away Many successful cases are cited In the rapidly treatment of stenous of the laryny dir ct laryn goscopy orcupies the first place \ exact disc osis can be made and the cicatrized tissue cut through more safely than can be done by any other method The stenous can be cut through directly and a Rogers tube inserted after the proper dilatation Se eral case of foreign bodies n th larynx and one case of pemphigus are reported H emphasizes the value of having the h ad in the stra ght position in direct laryngoscopy and believes it is an absolute ly safe method unde normal conditions E en with contra indications such as arte iosclerosis the use of a small tube and the at aight pos tion of the head make the method practically safe. It is almost as quickly used as the murror when tho ope ator becomes e pett. In almost every case in adults local anaesth's is used Uypin or novo came are the anasthetics of hoice except in children where no anzesthetic at all employed

GRONG M COATES

MOUTH

Brown G V I The Surgleal Treatment of Palate Defects. J is M A 1 9 4
By S rg Gy ec & Ob t

Immedi t reoperatio when the sutures of w previous cleft palate operation fail to hold and when sloughing of the parts is actively destroying tissue at the line of apposition is not an ad isable proce dure Such henefit as may ha e been secur d in this way has probably not res lited from an im p oved local resistance due to leucocytosis as re ported but for the reason that separation of the

mucoperiosteal tissue was more efficiently ac complished at the second then at the first attempt Thus tension was more effectually overcome and the result consequently better

A period of from nine months to one year should clapse before the same kind of operation should aroun be done because it takes that long a time to reestablish circulation in these tissues sufficiently to give them a dependable resistance

In undertaking the surgical closure of palatal defects the question invariably arises, Shell tissue to cover the opening he secured hy dissecting free a sufficient area from one side and turning it over so that the structures are reversed with an attached pedicle on the inner border of that side and suturing the free edge to the freshened border upon the opposite side in accordance with the principles govern ing the Davies Colley and other similar operations in the performance of uranostaphylorrhaphy or shall mucoperiosteal flaps be raised and brought together hy taking advantage of the arch of the palate supplemented by liberating incisions upon each side to aid in effecting coaptation along the central line after the methods of Von Langenbeck as modified at the present time

Every effort should be made to gain the desired results without listurbing the natural relation of the mucopenosteum to the bony portion of the palate whether the opening be large or small The parts should be kept in such form that subsequent granulation of the wound surfaces will tend to fill in any opening that might at Il exist and if it does not fill in completely by graculation the result upon the surrounding structures will be fa orable rother than unfavorable to successful closure at a later opera tion should one be necessary. The loss of a flap so raised and reversed as to leave a corresponding surface of bone denuded m ght ren fer further sur gical operative measures practically useless because this portion of the palate would not be completely restored and any such bare surface would at best only he cos ed by a thin layer of tissue that would ot be dependable or serviceable for flap purposes

The contraction of scar tissue in these cases usually go es a shape more or less ble a funnel to the hole in the palate with the slope more marked in a direction from above downward toward the outer surface If compl te pan g of the tissue at the unner horder of the palate open ng is made eotirely through from the palatal to the nasal surface much valuable tus e will be lost unnecessarily lifraw sur faces are secured by splitting the tissue without paring the borders there is too much of a tendency to resumption of the original form of the tissue borders during the healing process and this is not favorable to union alo g the line of coaptation. In these cases t asion should be overcome by freeing the mucoperiosteal flaps from the bone surfaces as for uranoplasty according to the modified Von Langen beck method Cicatricial tissue should be severed by a thin bladed knife at just the right angle to

318

pass between the soft tissue and the bone without injuring the former

The denudation of the tissue border aurrounding the opening is best performed by following the slant of the opening sufficiently to give a broad raw sur face up to the point at which the constriction is most evident. Splitting from this point all around will then give an added thickness without andue loss of

tissue. The inequalities due to wrong coaptation particularly in the region of the soft palate must be over come When the borders are loosened from the bone surfaces and ready to promote couptation of the flaps in the central line without tension this must be done in such form as to give the nearest possible approximation to normal lines of in-frequently when several unsuccessful operations have been previously performed all that can possibly be accomplished is readjustment of the parts which will make complete closure fater on more easily secured When this is accomplished any defect which may still remain is readily closed but if it be overlooked the result may leave the palate in a worse condition instead of better. When there is almost total absence of tissue on one side due to extensive sloughing or ill advised destruction at the previous operation with the tissue full upon the posite side, it is sometimes necessary to bring about the transposition of good tusue from one side to the other so that at the final operation there may be at least a reasonable measure of tusue upon both sides from which to construct flaps This may be done by making a complete closure of the opening and estrying the flap from the good side to the poorer one in such a way that tension will be so distributed as to cause the opening to occur midway between the two points. In a number of lustances the author has closed perfectly palata fissures that seemed to be utterly hopeless because there was practically no visible t save left upon a authelent portion of pne sids of the bony palate

Bloodgood J C.; Cancer of th T naue Based upon th Study of Over On Hundred Cases. upon in Number of Inn, of By Surg Coper, & Olst.

It has been demonstrated by the author that failure to cure fully developed cancer of the tongue is due chiefly to the neglect of removal of the muscles of the floor I the mouth below the cancer and that the high mortality fit r operations for cancer of the tongue a due thiefly to the removal of the floor of the mouth without removing a section of the lower jaw If operat on with the electric cautery is done w thin a few weeks after the onset preserving the cente of the lesion for microscopic preserving the centre of the recommendation of con-study the probabilities of cure are almost 100 per cent. Previous operation have been too extensive both upon the tongue and glands of the neck. Cancer of the tongue molifitates into the plands of the neck through the floor of the mouth, and lack of

involvement of the glands does not preclude infiltra

tion of the floor of the mouth. It is impossible to close the opening in the mouth after removal of the tongue floor of the mouth and the glands, unli the 18w he resected If done without resection, the mortality is almost 80 per cent,-from pneumonia or late sofection of an oral fistula

In howevener rope, in a case of early lingual cancer the author for the first time removed the right fail of the tongue the right floor of the mouth, the right half of the lower new and the glands of the right sale of the neck in one piece. The wound was closed by autumng the mucous membrane of the right cheek to the remaining half of the tongue. The patient sa allowed at once after the operation and no recurrence followed. As the removal or resection of the lower jaw is mutilating the author has at tempted to produce the same results another way

In a subsequent case the glands were first re-moved, their connection with the floor of the mouth below the lesion was thoroughly humed with a cau-tery sad the wound was closed. Then the lesion in the tongue or floor of the mouth was attached with the cautery the application usually being repeated two of three times until everything was destroyed fown to the area first cauterized from below. The healed skin-flan of the first operation forms the floor of the mouth and presents an oral fistula.

The majority of cases seek surgical and at an unnecessarily late period. In early cases there is always something to be seen and felt in the tongue or floor of the mouth it attached at once, a local operation with the cautery should suffice in a little later stage removal of the glands and repeated cauternation of the mouth in still later stages resec-tion of the law must be done. The author advises that this should be done in three at ges First thorough removal of the glands with caut rightion of the floor of the mouth from the beck wound second, cautemeation of the lesion within the mouth third removal of the jaw and cautenzed area

A study of cases up until 1908, a period of 18 years, compared a th those observed during the past five years, shows the influence of education The very early pre cancerous lessons have necessed from eight to thirty per cent. The lat and inoper able cases have decreased from eighteen to ten per cent The cures have increased from twenty-one in

fifty per cent The author considering cases opereted upon by himself - 4 n all - reports no post operative mortality and so far but one patient has died from

PARTITION In Bloodgood's upimos the techniq e has been conquered and f the patients can be educated to come early the disease will probably be conquered H A Porrs

Murphy J B Carcinoma of Tongu ar Age of Thirty-One. Surf Ch J B M phy 9 3. 2 By Surg G) nec & Olat

Some 5 or 6 years pre abus the patient had had soreness on the side of the tongue but physician told hus it was nothing serious. A year latter three was a discoloration on the nght sale. The organ remained a little sore tender and discolored until some monthalister when acid was applied. I shough formed and the fewor gradually increased. Latter the had consulted a physical culture exposers who it reatment ever since. Most three wiels a resource to a most offer the most offer and the mand ble. A timber mass had appeared se crait months before but had disappared is a read much the mand ble. A timber mass had appeared se crait on the read with the most offer the most had been a shraded like an uke r disabarge a little just and ocrasionally cascous particles. Some four months before the readout of the proposal source of the particle of the proposal source of the propos

Lyon examination the right side of the to gue was found to be hard and woody as far as could be left including the while base. Y usus was found be dring i yet to a tooth and ducharging in side lift. There was are calarged in the under the reand hie I piece was removed and many slid. If showed squamous-celled car inoma. The pattern was sidvised to have radium treatment [and \ ray exposures. The case was then inoperable and practically hopeless

Murphy J B : Tuberculoms of the Tongue S g Ci n. J B Mu phy of 3 u \ 5 By burg Gynec, & Olst,

The patient was a woman of at who had first noticed a mass on her tongue about 6 w cls previous on admission it was the size of an almond near the middine and about 7; suches from the tip. The mass was hard and indurated had never ulcerable to the size of th

ABSTRACTS OF SOCIETY PAPERS

ANNUAL CONGRESS LARYNGOLOGICAL ASSN

MEETING HELD AT MEANING CITY MAY 25-27 1004

Hopkins, F L. r Report of a Case of Septic Infection of Parotid Glands. T As Lety sel A & At lant C ty ro 4, M y Hy Surg (yace & Obst.

Each intealobular duct is a branch of a aubdivision of the main duct so that if a sentic infection results in closure of these ducts drainage is impossible and direct on of the gland becomes necessary Many important vessels and nerves true me the gland Before resorting to dissection Steno a duct ahould be probed Orra M Rott

Haistend T II Endonsed Operating in Tumor of th Hypophysis Report of a Case in a Fernale Mar Learn of Age, T in Lary tol Ass Atlant c C ty to 4 May

By Surz Corner & Obst. The operat on was performed so three stages c Preliminary operation March et cora up right poutt n with cocsine and adrenalis Removal of both middle turbinates and exenteration of right

ant pur and posts nor athenced cells a Second operation focal anasth sis, submucous resection of entire septum antimor wall of both aphe ouds and the aphenoidal septum removed

| 1 steen days later the third operation long sells removed dura mixed foll want which

there was an immediate gush of more than one half ao ounce of sallowish fluid

Corith of New York takes out the posterior part of the septum instead of doing automicous lle tal a out the rustruro and geta to resecti th spheno I ; that way He does th persuion Otto V Rott to two three at ges

Dela an D B The Employment of Skingraphy in the Diagnosia (Enlargement of the Thymus 7 im Lary and Aus Atlantic City By Surg Gypec & Obst 19 4 M

Because of the moonaoce of thymus enlarge meet when considering the perative risk the author speak of the importance of skiagraphy in its recognition

CULLEY of Yew York apole of a case of maing nant disease of the thy mus simulating chriscally a couler which was diagnosed by the ruotgenograph fairly well

Situate of Detroit poke of the interrelat oriship between the t asils and adenoids, and thy road and thomus, and because I this lact of the constant danger the operator is in whe operate g on tousils and adenoids

Htanan of Toledo poke of an enlarge by

mus producing asthma in children and of the permanent atrophy of the gland after seven treat menta with the X ray

Swars of New Hause spoke of a case of thymic asthma in which thymic reduction was obtained by the use of adrenatin contrasot three to four times

RANDALL of I heladelphia referred to a death in a patient 22 years old, twenty hours after a tonul operation Orto M Rorr

Ingersoil J Vi r Primary Sarcoma of the Traches. To Am Lary gof Ass Atlantic City 19 4 Vay By hurg Lynes, & Olse.

In this case a managed 3a had a pursistant tro blesome cough for several months and three very sear to prolonged attacks of paroxysmat coughing, and in each attack the pairs a finally coughed up and superturated a hat he called a polyp Es-amination of the lary ox aboved it to be inflamed and on the left side of the traches just below the first ring there was a pedunculated tumor Opera tion a as refused by the nationt until later when the growth had tended and was conerable

Driava of New York spoke of the hopelessness of the condition and ored his belief that the hope of the I ture rested on some chemical treatment rather than on surgery

Jackson f l'attaburgh, spoke of the ranty of primary malignatory to the traches and the hope-lessness of the condition when it occurs on the postenor wall because of the abundance of hymphatics in this region Orro M Rotr

Jackson C.: Limitations of Bronchoscopy T Am Laryagel A Atlantic City of M. M. By Surg Cyane & Obst.

The author belis es that th limitations of bronchoscopy are reached to the Inability to find a small foreign body far down and far out it the pemphery of the inng rather than o a fail re to re-move it when found. The immedians in a particular case could not be said to have been reached until pronchoscopy had lailed of the hands of t feast two bronchos courts of experience Huanaan of Toledo, rel red to the non-support

of the patient and his physics o as establishing a hautston.

INGALS, of Chicago thinks that the time for work ing on a naticot should not exceed a hall hour Orto M Rott

Coalley C G The Surgical Treatment of Empy ema of the Nesal Accessory Sinuses in Children under Fourteen 1 cars of Aga T Am Leryatol An Atlantic City 1914 May

By S ng Gymec & Obst.

Cases requiring surgical treatment heve either a swelling over the antrum or nround the orbit. The antral cases are almost always associated with an ostcomyelius of the supernor maxilla and are

operated through the canne lossa with n counter operang to the nose. The orbital cases if nuld are kept in bed with cold compresses and frequent insullation of a 1 per cent solution of occurse and a 1/20,000 solution of adrenalio. The severer type requires operation without waiting for the development of a ront

cent solution of occaine and a r/so,coo solution of adrenals. The severer type requires operation authors mailing for that development of a rout authors which the selection of the representations through the external route. I prohe is passed into the frontial sums and the diseased membrane must be removed less them he recurrence the wound should be left open. There is no consequent deformat,

Mostes of Boston poke of the development and size of the accessory sinuses in children and stated that from the third year there is an antrum large enough to permit of surgical treatment. The same is true of the chimoid laby hands from any ears on ward and of the frontal from the eighth year. I rout third year, a surger is phenoid may be appected.

MAREA of 'New York' ispoke of soothee class of cases, between, the two types as mentioned by Coakley and all were the neighborhood of three to fi a years of age. They prese ted the following coadd one Ao opening of perfor tool directly indering the coad of the property of the coad of the property of the opening over the appoint when the opening over the appoint when the property of the opening over the appoint of the property of the opening over the appoint of the property of the property

CASSELERRAR of the go spoke of a chrosstype of case occurring in chalters from aims to f urte n ye b. f age in which there were insalpolypa in the middle met polypoid ed regement of the middle curtinate a d pus n the a trum in a antenor ethinoid e lb. and metures in the positroir ethinoid cells. In at he cases he remov. the models to baste in the fino of the article of the Gordan article of the control of the control of the Gordan article of the control of the Gordan article of the Gordan article of the control of the Gordan article of the

Coll n L A The General Considerations of Empty may of the basal Accessory Sausses in Children under Fourteen bears ! Age T Am Lary gel At Wall (19 e 4 M y By burk Cyner & Ober

In ute oud t where as us us us as use peried there is a op os dach rig whit has be washed out or if here is the result of the negation of the necessary is and the negation of the necessary user that the comes front some of the accessary user the comes front some of the accessary to the need to be needed to be needed

Wood G B The Pathology of Acute Smuslife of Children under Fourteen Years of Age Tr Am Lary gol Are Atlantic City 9 4 May By Sur Grace & Obst.

The pathology of acute sinusitis is influenced by the severity of the folection and by the resistance of the patient and upon these two factors depend the degree of inflammation The cheracteristic changes found in the mucosa in the mild cases are Concestion and slight orderns of the concective tissue merease to the number of beater cells in the en thelium and slight increase to the number of lymph cells in the superficial fayers of the connect ive tissue. In the more severe cases the cedema is increased the congestion more severe and the extravasation of the red blood cells into the connect ive tusue stroms becomes so intense that the condition resembles a subepithelial harmorrhege The leucoest e infiltration is marked but still only in solves the subsp thehaf layers of the connectiva tissue In only the very severe cases does the whole connective-tisaue fayer become infiltrated so that the persosteum is attacked. Infiltration of the persos-teum is very apt to be followed by bone changes to diphtheria sinus trival emeot is very frequent though the majority belong to the mild catarrhaf gro p In scarlet fever sinus its is less frequent but more severs so that bone involvement is quite common Other tofectious diseases show nothing peculiar or cha acteristic Orro M Rorr

Ingela, E. F. Nasopharyngeal Mysosarcoma-Several Operations and Finally Spontaneous Recovery under Observation for Twenty seven Years T. Am. La yaged Att. Atlant. City 914, M. Y. By Sug. Once & Ob. L.

The uther reported a cuse first seem to 1853, when the patte it was thritten pears of age 4th t tume a growth filled the manopharyor and right in servers a strings, but it continued to grow causing a strangs but it continued to grow causing vason of the right eye. There of non-destroying vason of the right eye. There of non-destroying vason of the right eye. There of non-destroying vason of the right eye. There we have a substantial to the continued and it universe, same later there was no ramman of tume lat the the deformity and loss of suon remained. The author refers to the well-known it desay established by fibrous growthe a this besalety of retrogression and final disappear at this besalety of retrogression and final disappear as the pattern of the property of the control of the contro

Look if W The Influence of the Aose on Ly Affections, as L6 need by a Case of Bilateral Bil odness and On of Dualsteral Scint Hating Scotoma Gured by Operar ns on th Ethmo d Calls. T Am Ls y rd A Ma Inc City 0 4 M y

The author reports two cases illustrating the trife of his paper and stats that these confirm his nestigations on the anatomy of this reg is to the effect thet u d r ordinary circumstance the optie nerve s in close relation with the ethmoid labyrinth only it the post ro-external negle of the

last posterior cell Where this relation exists there is nay the slightest possibility of any darger to the optic nerve in suppurstion confined to the optic nerve in suppurstion confined to the ethinod cell. But when the last posterior ethinod cell replaces the sphemod the optic nerve runs close to and along the external wall of this ethinod cell and the vulnerability of the nerve is correspondingly heightened in view of the greatly increased portion exposed.

Orro M Rerr

Shurly B R The Relation of the Tonael to Thyroid Disease. T Am Lety pd A Atlantic City 914 May By Surg Gynec. & Obst It is in the cost and the obsence of the thyroid

It is abvous that the physiology of the thyroid and ather ductiess glands is protoundly affected by tone disturbances in general and particularly those that enter by the lymphod, rang. The author has noted bendeficial results after a tonsilizter than the state of the latest the state of the three disturbances are the statest of the statest three disturbances are the statest of the statest three disturbances are the statest of the statest and of the noce throat and examine a teamuse ton of the noce throat and examine as to see that

Simples of St. Louis, apoke of the abrinkage of a gotter following treatment of the lingual tonsil by means of application of silver and salecylic acid in

alcohol in saturated solution

Woon of Philadelphia, reported the case of a nurse who had recurring tossilling and exophthal mic gotter and by perthyrodism following tossilling. The removal of her (consist stopped the attacks and her gotter began to go down and the exophthalmost disappeared.

SHAMALGH of Chicago, apoke of this relation existing even when tinnals were apparently in a healthy condition but which after removal aboved a pus pocket at the base Orro M Rorr

Majer E. Primary Lupus of the Larynz. F Am Lary sel Ass Atlantic City 9 4. May By Sorg G; ec. & Obst

The author reported a cases of primary lupus of the latynx in the later stage of the disease. This brings the total number of cases of primary lupus of the larynx recorded in the literature to 35. Lupus of the larynx is a chronic disease with b t the slightest symptoms in five accidentally discovered

and the prognosa to life: relati ely good CLARE, of Boston reported a care of lupus of the layrax in a 3 coung woman who previously had devel oped lupus it he angle at the mosth on the check and on the left acts of the posternor wall of the plats year. On examining the layrax the doctor boundary condition extended down to the any epiglottic fold and enlargement of the arytement of the prognostic prognostic condition extended down to the any epiglottic fold and enlargement of the arytement of the arytem

CASSELBERRY of Chucago sand that he believed be would he alled the first case reported by Mayer one of tuberculous of the lary

BURLETT of Montre I pake of a cases treated

by the A ray hy means of a lead tube dropped into the pharyar and down in the laryar Both cases seconteed. He also referred in two cases of pinusty lupus of the nose which made complete recovering under radium.

Shambaugh G L. Laryngocele Ventriculara.

To Am Lary gol Au Atlantic City, 914 May
By Surg Gynec & Obst

Lay apoche tenticulars apples in a quiri dalatation of the ventricle of foregam a pathological conductors which results from the profit of with air of the ventricle tentility at the result of with air of the ventricle usually as the result of coughing spells or the use of wind instruments. Cases occur where there is only an intralaryngual datention inhers with only an extralaryngual datention. The surfora neck and other cases where there earls both an initia and extralaryngual distintion. The authora case was an intralaryngual datention. The authora case was an intralaryngual datention. The authora reale was also intralaryngual sea elling which because infected. An external operation was performed, using of the thyrodysoid membrane. The initialaryngual condution was operated upon by slitting the cast from below upwards.

Indats, of Chic go had a case without infection, which he treated by aspirating the eyst and then impecting equal parts of 95 per cent carbole and and glycerine. There was a good result at the time that the case of the cas

Hopkins F C.; The Use of Radium in Populoma of the Laryns in Adults T do Lary of Ass Atlanus Cat) 9 4 My B Surg Gynce & Obd

B Surg Gynec & Obd.

Some positive cures are reported. More than a st ple application in y be necessary and burns from too long exposure such consequent adhesions and contractions are possible. Caution is ad ised.

as in the length of exposure when a powerful tube is used
Swain of h w Haven spoke of the nid of aus-

Swain of h w Haven spoke of the hid of auspension intyngoscopy in this connection Octo M Rott

Caselberry W. E. Recurrent Lymphonsats of th Laryngopharyon Freence of Streptococcus ilemedylcus in the Growthe Extised and us as Associated Spheno-Ethmodal Dischasif-Autogen us technical narrest of the renow Recovery 7.

In the City 94 M 1, My Surg Cyare a con-The auther spoke of the causal relationship le tween the discharge from nasal sams does and and tonshifts and other lymphone dustgement and reported a case exhibiting the association. The term hymphoma is used spront moustly with melections hymphom as used spront moustly with melections hymphom elling Orro M Rott

BIBLIOGRAPHY OF CURRENT LITERATURE

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Surgical Instruments and Apparatus

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A new hand inven curcular home are including e flexible shall that can be eighpted to synone usages. If \ \text{ haze} and \ \empty \text{ Talkato} \text{ North ext leds, \ \empty \ \empty \text{ At lane 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ Heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ haze in 1} \text{ heading of \ \empty \text{ heading of \ \

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Tumors of the unnary bladder R H I Swaw Lancet [303] Lond 1914 claravi 309 [363]
Treatment of tumors of the bladder by high frequency currente Charson Gaz babd d se med de Bordeaux.

Int pento eal rupture I the bladder fibroma of the uterus. N A BOGORAS J Akush jensk behez St Petersh 1014, XXI Fulguration and electrocoagulation of tumor of the ladder Brust Wien med Wchnschr ot4, als

A case of cystic cyst tis C Week Dissertation Boon, 913 Diagnosis of case of calcified retrovencal hydratid

cyst Maxion J d rol 914 4

Purpura of the bladder and is complications Bits Wieo med Wehnschr 94 li 10 13

The alu of direct aspects out the diagnoss and trest tent of disease I the femal bladder M H F Isans Med Press & Circ 9 4 calva

Traumatic detachment f the bludde from ymphysis pubis, with complet severance of urethral see (the labs unors as a but t te for necrosed antanor sensal wall

mmoors as a but it for necrosed aniance again wall A. Werkinks J Am M 1 ws q 4, it 7 [204]. The correct interpretation of bladder ymptons. C. Maxir. Med. I orthopid). 9 4 ziv 77 [304]. Perf. toon of the bladde to the bedominal ca. by B. Ruypern D. Section of the bladde to the bedominal ca. by D. Induiton section of eachs the mucous membrane I the

ladder RORERT BACH VCH Ztache I angen Anat Konstitutions 9 4. Study of I reign bodie | the bladder Paus 'S en

ed Weh schr 9 4 xh Making val the the bladde for the duch tge of ascattle fluid P Ross variety Ztache [Urol o a

Practical point in bladder registion Marc Wild Singer, 7th d o 3
Singery [the hou glass bladder] B Squ > NI M J 9 4, xex 6 Urethrectomy without ture [304] inci mofth per cal

urethra II Do These d doct P 13041 93 Polyps of the posters rethre N PERISCHINKI
Darmatol 9 4 9
Structure f the mal rethra T G McCarre rethre N PERLSCHINKI

Urol & C tan Rev 94 m rol & C. tan Rev 9 4 m 39
Abnormal suburethral channels Levy and Planson

J dural 9 4 v N 4
A case I necross of the mucous membrane of the whol urethre W D kovortana. V rb noil d thus V d Azt d stadt Obu kova K nkenh St

Petersb 9 4 xxm 70
Anus rethral: P kze s Vonatach f G b rish

Gruke 9 xxx 540

The peactoral lise fiposterior urethroscopy M Rorre
Tale peactoral lise fiposterior urethroscopy M Rorre
and T Marsy Am J Urol 9 4, 4 [385]
Late results of rethropistry by 1 miling to 3ks
Tale peactors of 1 d rol 9 4 y 393 [385]
O Novi Joseph O J d rol 9 4 y 393 [385]
Openits i treatment I complete ted structures I the

urethr by resection and end to-end I re of the rethra-Schwarz Wien med Wehnsche 9 4 als Technique employed excision f ca carci omatou

urethra 5 S & S rg Gynec. & Obet Som therape tic res Ita obta ned from ureteral cathe terusation W II SICKER II hnemann Vonth a 4.

xlıx, 370 Carcinoma of the penis L A CREE INER, I ternat ISrg 94 xxv 63 13061

Lupus of the penss. A KRAUS, Darmat. Wchnschr. 9 4 from 249 Licohantiasis of the penis and to operate o treatment by implantation of pieces of cins. P Janssen Beitr z.

Chr 04 IV A case I double penis G Liovii Deutschs med Webnach 0 4, al 303 [306] Local angesthes: 1 the operation for phimosis Saissi Presse méd 10 4 xxII \0 27

Genital Oreane

Cancer I the testicle operated upon by simple castration recovery without recurrence after 8 years. HARDOLIA Bull et mem soc Anat de Par 10 4 xvi 148 Tw cases of tumo of the testude in children HARDOLLY and Potes. Bull et mem soc Anat de Par 1914 xvi

130
A case f intra saundur cyst of the seminal vender
Zanara Wien med Widmidtr of a filt Vo o
Zanara Wien med Widmidtr of a filt Vo o
Research of the tender
I W Window (Cin J o ota, kim, 200
T be culous if the right testeds secondary to removal
of the left tested for interrollous. V C Parasas.
V N M J o 4 var 870
A case of landerious libyer retrophy of the concentrate.

the other beent from the acrot m T L Sprayour sstory Venezono med J 9 3 cex vi 545

F other experiences the treatment of mperfectly

descended to ticles E M Connex Brit, M]

An operation I undescended test cle R Triourso The surpus I treatment of acute generated lepidulymuts by epididymotomy J B Clark Ann Surg Phila 9 4 lt. 739

9 4 liz, 739 Treatment Treatment f genorthers orch-epididy natus with coloidal tod ne DESCHAMPS and PARRICAUT Cf mque, Pa 0 4 x. 3 Study I hydrocel 1 Avov Clin che

Te w method f operati on amoocele. Frank Ze traible f Chie 9 4 als 4

Cancer of the prostate I navez Arch. tarnat d cpat 6 t M / II 9 4 VI 4

chow brek I path Anat etc Berl 0 4 ccvvi

ttrophy of the prostata with stenous Duns Bestr

Hypertrophy of the prost t and W lms prostetectomy D Aule LANTET De teche med Weh schr 94 zl

Thre caves of hypertrophy of the prostata operated on by B then method P name. Rev med de is susse romande, of, num lo.

Am. J M Sc 19 4, cal 673 Prostatic ancide t dabetes II STEEN Dungmous, 9 4

Dusmous, 0 4

Note on new combined method [prostatectomy

J. Thomas Lancet, Loud 9 4 dixen 436 [369]

Buna and remination f the prostate. [Lancet of the prostate.]

betacle to the discharge of the unna Schwarz. Wien, med. Wehnschr 1944, 1h No 3 med. Withinith 1944 th 10 1
Tra matterrupture of the left hidney Gilsov Herral
J de chir beige, 194 al Nos a d a
Let us settle the loose hidney question R T Moz is

Med. Rec. 9 d lux 5th properties A 1 AGE to Med. Rec. 9 d lux 5th properties Training of monable kidney R. Fannaneaus Dissacration listle 1913 I recommendal I tudy of torsion of the biliney Rezza so 1 Arch de med. exp et d 98t path 1914 ax l

Hatological contribution of the study of congental unital rai trophy of the kidney A Bayacot a I oha
rol 1914 val, 464 [293]
\ case of thateral renal apiana C. F. httery

Lancel Clin 1914 Cat 5 2 [29] nomalous renal arteries C 11 Ifacestes Ohio St 11

19 4 \$ 71 Acts Inalment of prelits. De Gorrat, I med de

tel intalinear or pyratus. Me corrat. I now one the first of tax. 17
Chosed possiphrones. Lichtlastra. Zische i Lend
9 4 to 4
i term to the fonerphron i em the opening of the
er r nto the solutary believy t an acuts and
lectron. Gaza. 4 they e d clin. 4 has, 9 4 xx

A case of hydrographrous of hall of a horseshoe & dory

C L Manager Re med diappt total to \ 3
The conservation ration for it musteen hydrox
phrova. 5 knots then him themselve to 4 x 1 s
C to ladder \ L linguage to tennal. J S m 12991 1914 EEL 1 151 11 11

Premiur cyst formations in the Ludwy D via in a randow Arch I path to 1 etc Herl, 9 4 cex. Surpreal operations, pod cy toc hedney \ \text{Mex.}

\text{Link t Three de doct I spt.} [299] A tase of polycy tic desentat m of both hidney
(A benty that I estacke I had W h handemann 9 3

Contrib ton to the Lnowledge | menmental nephritis. Il On an Lane I Lond

R tention 1 n nd hidney fection 11 att lief kl W insch q 4 f \ (Localization of renal t her, hose by rad wrag hy

1 pt 1 ch mil le la clin de 1 her q t q 7 Lanctimontal toul of small bereulous. 1 1 montos

Coor di med mulit 9 4 lss 4
Anatomical st d of the earl stage of hronic t le low of the k days Il well and Williams Zimbr

Study of the medical treatment of many tuberculose ANDAPUTY Rev prat d mail d. org Gen urr 0 4

Meas ring the blood pressure — special diseases of the hudory, especially kidney it hereulose — Ultrash Neith med (Whasch 9 of at Nephrectomy as lafateral 1 becomes Leguez

Changue Par 9 4 12 \ 5
Trainment of the reter and healing of the ound in apphretomy! k lasy! berculous I bert Zischr

nol chur 9 4 64 [341]
Reflux I unne through the rete aft nephrectomy
new case L vs Wei w J d rol 9 4 h 4 [301] Observation in kidney rge ; ILL as Folia urol

Lichey disease, with perial reference to the test f 13615 914 ECLE 97

The comparat we value of modern functional industry tests W. E. STEVENS. J. Am. M. Ass., 914, len, 1544-1581.] Ambord's con tant its sine in urmary surgery ۱u.

SOV BARROES BRADI med., 19 4 xviu, 6
Les of creatum in examunug kidney function 25
AREA 21 ochen med Wichnschr 19 4 kr, No. 16
The supunicance of the quantitat ve determination of th dealanc ferments I the urine in functional k duty diagnos S. S. Ljohtmostisch. Verhandl. d. wisi. Ver d. Arzis d. Udt. Obuchow Krankenh. St. Petersb

1014 HHL. 7 Determination of renal efficiency 11 Rrap J Ohla St 11 Au 914 450

Further expenence with the hymorenal role as a means

of this tab terror Ritty. Arch ! blue Chir a a Q & \$6c

The effect of jectuag collargol into the renal pel is, parliminary mole. D. N. E. S. SEATH. J. Am. M. M. (1807) to 4 tu 1302

I spenment in by Lamphy E. Ren Zentralbi L.

Chr 9 4 th 14
Faluson I the lidney ly rishtal out was of the
meet 1 Sportages. Zentradi I Gyrak, 94 stone I the wreter child one and one half years old

1 I local Ztach I not Char 9 4 76 1342 5 om c es of obstruction of the ret c R. P Ros [302]

room c see or construction of the ret c R. P Ron
t be Up Hosp Gaz 9 4 xx 16
I re-court in the uniter to hydrocryphroa
1 rhober 1 Prol W h. Lin learn 1944
54 1 of hermati supermunerary unriet
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6) nak 20 4 las 758 Dynak 10 4 May 755 Sup as me ny reter opening extra encally 11 D has Sung Gy ec. 4 Obst 9 4 May 54 13451 Technique of unterormaphy in total section of the rei r 5 Jun 7 R de gynec t de chir below

Rapid method of uretroveneal and tomous. Vi 22 Gor d R actad do med d Tormo 9 3 lars

and Implantation of the reters in the large tests of the bladde I to rank Finda lift salid Handl. 9 4. 1 Implantation of the suret as in the skin Salara-Bout as Gaz lek of a zir 3

Bladder Urethre and Penis

prevention and treatment of stone in the FALL SCHLAGIVENALT Zische 1 Led 9 4

Bladder ston continuing ad er case of argyra of the bladder Bill Wen med Webnehr 9 4to he hadden and us ni non to crit Collod cancer of the bladde and us ni non to crit formation of the mucous membrane I the unnexy t act Bills Vice med Wchusch 9 4, zir T more of the bladder Casran Med Kh Berl 9 4 5

A case of chorse spathchoma A W TALLANT Med. Rev Revs 0 4 xx, 253 Sporotrichos of the eye W H MILITORE and C P In nes from spectacles Labors. Pest med chir Presse 19 4 l. No 4 Traumatic 1) nes to the ery talline lens R. H T MAN T z St J Med 914 % 11

Treatment of severe acute infections th neighborhood of the orbit F Scinics Deutsch med. Wchische 1 case of permanent impairment of vision following astro-intestinal hemorrhage G Il Gagert Arch Ophth 014 bm 234 (3121

Ear

Chronic suppuration of the middle ear T M Cit No-nam J M Asa Ga 9 4 [312] General review of tuberculosis I the middle ear Laur-MANY A a d mal del ornille etc 10 4 11 10
Ot te media, acut ad chronic C 1 HARLIES Menungute following acute of tis media Quix Nederl

Archingue following acute on meeta Support to Guesch all e treatment of chronic support to ottus pedia J II Aritry J Me M As 19 4. 184, Acute support to it medi without not ed the tympanic mestionare J S Franker Ldinb M J

9 4. H 4 7

Milignan decise of external ear with catena a invasion I temporal bone operation recovery W.

Mittigan Proc Roy Soc Med 19 4

Otol Sect. (312)

Indication for the laby math operation with report eight operations ad a cases which no operation performed C I We ry Ann Otol Rhinol aryngol to 4 zi 66

Tra mat les ons of the estabular tract especially the seat f th less as Russ Ztochr f Ohrosbell. f d krankh d Luitw 9 4 | New 3 and 4 Mastorditis thout perfo ation I the tympanic membrane, D Mckeyrie, Proc. Roy Soc. Med 1914 v Otal Sect 19. Latent mastorditis. W MITTHOFFER Lancet Cli

4 Cn 552 When the radical mastered is imperate e J C. Sharp han Otol Rhinol & Laryngol 1914 11 74 After treatment of the radical mastord operation with

adrenalm dressing M F Zyrowirsca. Westnik uschnych, gorlowych i nossowych bolież 19 4, 11 Primary and secondary blood clot as mastodectomes.

R. W. Moore Tex St. J. Med 9 4 x 8

Place I election for treplaning the mastoid amrum.

Mover Ann d mal de l'orulle etc 19 4, zi, h 3
Parotid fiatule following mastoid operations. C CANESTED AND Otol Rhunol & Lary agol

Rel tion of lateral sinus to the masted operation. O Princer Southern M J 19 4, 11 389
Thruch indred cases furphine fithe masterd process for acute musiculates TEXTER and LEVESQUE. Gaz.

tood de habites 9 4 22211 ho 4
That la ymptom n no suppurat s diseases I the ear
O Bers. Ann Otol Rhinol & Latingol 1914 2211 The fate of the myzoid tissues in the car and to signifi

The fate of the mysead limites in the car and its significance in pathology L. I. Notes paytons Vertake uschingly from the mose of blocker 194 vi hospitals Sphale of the car O. J. Strick. Ann Orle Shane School of the car for hered tary poblish 1313 Leason of the car from hered tary poblish Dospowous Mod i Iron 184, 04 nt Vo. 5 Despective in make described in the National School of the car National Assurements of the car Course Proc. 1980 and 1980 an

S SCOTT Proc Roy Soc Med 914 # Otol Sect. (314)

Jinodbook of special subjery of the en and [14] respectory passages. L. A.e. H. Paristic and P. Billis will be Wishers & Nicella P. Billis will be with the property of the pr 9 4 XXIII 1

SURGERY OF THE NOSE THROAT AND MOUTH

Nose

Adenocarcinoma f th nove bronologi it en and case repo t L D MANA ER. Ann Otol Rhinol & Th surg life ime tol empy ma the massi accessing a hidren ade fourteen years of ge C ((ora) T im Larraged he Atlantic (to 4. Rid graphy f the nasal am ess D VicF4 as La ngo-cope o 4 4% La ngo-cope o 4 4% an encourage onsid ration of emps ma of the nasal accessory as ess h hiren nde fourtern years of sge.

L \ Corrix T \m Laryngol Au Atlantic C ty.

7 4 My The pathology of acut canualts of children rule fourteen 7 rs of ge G B Wood T lm Lary go histore... Im Laty goi [521] he Mante Ct) 19 1 M ; [32] The size of the opening in the maxillary sinus in tra mesal operation and is significance a the tre tment of meast operation and it applicates in the recoment of support tones if it manufacts must be recomentated by the support of the manufact of the support of the

9 4 note masal) crime I bosoras Am. J 5 rg 19 4 EX laisi Physiologic and pathologic relations of the eye and accessory sinuses of the nose C. B. Wester, Laryn-

amouse, 19 4, Kuy 495

[313]

Institution on the outmans! operative treatment of introduction as P. Warron Witzgains and IT Testy Proc. Roy Soc. Met. 1914, via Laryngol Sect. 2

What Decourse I assuss operated upon Moral.

Rev. hebd. de Laryngol of otol. 1 de thusel 19 4, Ker. No. 4.

No 4

Y sopharyngeal mysos tooms—several operations
under obset atton for and finally spontaneous recovery under obser atom for and many spontaneous recovery under other ation for test) seven years L. F. Ivadas. Tr. Am. Laryngol. Au Athantic Cty. 9.4. May. Ah per tion for correcting the aguiline nasal deformity the use of a new matrument. O. L. Loringol. Boston.

M & S J 9 4 clar, 535
Improved method I removing the posterior trp I th
inf nor turbinate. M Lune is Laryagoscope 9 4

1314 Intra and extraossal indications for the submucous resection of the septum J II McCaran Pena M

J 0 4 11 644
Th influence I the one on eye affections as evidenced by a case of bit term blandocus and one of milat rail by a case of bi teral bindocus and one of mist rail standilling contonen, cined by operations o the ethnod cells. If W Loan T Am Layrapel Ass Affantic The decrease I humorthage and the prophibate of secondary humorthage; a mail operat one Layra-Alle med Zarint Jerig of the Insuran 6 T tal funcionaty Joseph Manchen med Wchascher 19 4. isl V 3

Throat

Adenoids and ral disease H L Bapcoca V

Adenoids and the very serious and the first of the first of the flywological against the to all F Havaz Arch. I Layagol Rheed. [316] 29 4 5234 53 [316]
A case of acute hypertrophic tomilia adentis Pro-

EERV NO 5 The relatio of the tourd to thyroid diseases B R SHURL

urgery I laucial tonul as t relates to the functions of the tongue and solt palate in the production I occu G Hundon Makray Laryagoscope q ann 503. [316] Tonsilectory is indi pous and choice of operation

II H HUATHOTON Wash M Ann 914 21 S4
A cast of spann of the glotts as a result I a blow on the
forchead T Issuetzo Gun ida zashi 914. Primary lupus (the largar F Marks. Tr Am

rmany mpas (the lar) at F Abavia. If Any Laryago da Atlant City 9, ANY (327) Laryago da vennecian G S Stemance III An Laryago da Atlante C by 19 4 May (324) A calciad floress of the laryar Consonaurar Arch I Laryago et Rid al 9, 4 xxxxx 0 - 10, Anch I Laryago et Rid al 9, 4 xxxx 0 - 10, Stema study of carcinageous terms of the laryar-Stema very Arch I Laryago et Ridmad 9, 4 xxxx.

The use of radium papilloma of the f nye and altaF E Howers Tr Am Layngol Ass vilants City,
1914, Alta
Cancer of the laryn with pecual reference to radium
therapy J C Brox Ama Otol Rhand & Layngol,
1814 [1814]

to 4, xxu, 66

Treatment f multiple populionata of the laryar by radium Hazars Arch I Laryagol et Rhinol 19 4. Risease at the state of the laryapopharyar present as a Recurre it hymphom to of the laryapopharyar present of streptococcus hemolyteus in the growths ordered and na as associated spheno-ethimodal discharge triogenous accusations arrest of recurrence recovery. We E Classic, strain Tr Am Laryapol Ass Atlantic City Text.

A case of recumng laryngeal polypi th tetany R. B. Casring Ano Otol Rhand. & Laryngol 19 4, 2ng.

Transverse re-ection of the laryest and exophagus.

SCHELBERT Rest z. libo Char gra, m., h. z.

F cases of hymposium Blacks and plassation when Anna di Foreille to q zi, ho.

Straught direct laryagocopy broochoopy and esophagoscopy R, II Jonestov hm J Surg gra zvoil, [316].

Formation of true larguageal sac in man and its opera-tive treatment. Raining Bestr 2, Line Char of a se

A report of some cases of removal of foreign bodies from

Trestment of fibromata of the pharynx in youth

geb 19 4, 845
Pathogeness and treatment of fibromata of the maso-pharyna Moura Zische f Ostenheik u f d kranik d Luits 9 4 is Nos 3 and 4.

Mouth

A case of mixed (numer (hypomyanus) of the val of the paths hatponthologoul and hattochemel study of the paths hatponthologoul and hattochemel study of the paths of the path of the path

TEME FO 3 Oral seps I dental ongon. W II HARRY

M J 9 4, xxxx, 979

Cancer of the tongue, based upon the study of over one brandred cases J C Broompoon Maryland M J 94, 1219

Carrinoma of tongue t ge of thirty-one J B M s ray Sure Cha. J B M rahy 9 5 u, No. 5 [318] Thyroglosial cyst. H. E Gassage. South M J 9 4

Theresident of the tought J B Michard Michael Can J B Mapphy 9 2 N N 5 Can J B Mapphy 9 2 N N 5 Can J B Mapphy 9 2 N N 5 Can J B Mapphy 9 2 N N 15 Can part No. 15 The surged relationships I mouth infections. T B The tought N Y N J 9 4 xxxx, rogst

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TABLE OF CONTENTS

TABLE OF	CONTENTO
I AUTHORS	x
II INDEX OF ABSTRACTS OF CURRENT LITERA	TURE
III MONTHLY CRITICAL REVIEW	349~35
IV ABSTRACTS OF CURRENT LITERATURE	355-43
	439-46.
V BIBLIOGRAPHY OF CURRENT LITERATURE	439 40
ABSTRACTS OF CUR	RENT LITERATURE
GENERAL	SURGERY
SURGICAL TECHNIQUE	SURGERY OF THE ARDOMEN
Aseptic and Antiseptic Surgery	Abdominal Wall and Perstoneum
GOERE F D unlection with Corresive Sublamat	KATT D 1 and LICENSE STREM D R D sturbances
and Tubom B ta-A phthol with a Study of the	in C rhohydrata Metabolism afte Laparotomy 35
Method of Testing Disinfectants 353	SCHOLF E I tra-Abdoman'l Pressure and Distribution of Blood in Enteropt us
Angethetics	L May C B and Bracrotto W II Amnustic Mem
SOURDAT P Local Angelhesia in Nephrectomy for	brane for the Prevention f Post Operati Peri
Renal T berculous 355	toncal lithesto Preliminary lot 359
Surgical Instruments and Apparatus	Gestro-Intestonal Tract
I TER U C A New Self Retaining Abdominal Re t acts and W und Protector 355	PALCHET Double G tric Stenous Triple Anasto goods Recurrence of Symptoms from Peptic
Gtr oup H C Instrument for Measuring Joint	
Movement and Def rmittes in Fract re Treat	Ulcers Gastrectomy Recovery 355 Daloge Peptic Ulce after Gastro L tarostomy 250
ment 355	MALLORY II J Gastre Hypertony d Castro-
THOMPSOY II B A Useful Splint for Fracture 1 the Upper End of the Humerus 356	E tero tomy
Lewisonn R A New Caophagoscope 356	HARTMAN II The I unction of the G etro-Enter
Whiteman or it man ambandanche 21.	ostom) Opening Cases of Permeable Pylorus 360
SURGERY OF THE HEAD AND NECK	Donass W A Polone Obstructio Inf is a Report of Twenty Two Personal Cases a th Open-
	a tuo 36c
Neck There v C F Acute Thyroddin as a Complication	Hour L E Medical versus S spical Treatment of
of Acut Tonsilitis 356	Pylone Stenon in Infancy Qué u E nd Constantint II Indications for Re-
HIRSCHIELD, L and KLINGER, R Studies of Endemic	section of the I testine in the Radical Treatment
Gotter 356	of Certag Herrina 361
BROECA ART J A Case of Suffocating Gotte Study of Series of Fifty Operatio for Gotter 336	BARTIETT W A Clamp I tended to Facultate the S ture-\nastomosus of II llow\neets
	I ROBBER A I testimal in agunation d Spastic Heu 361
SURGERY OF THE CHEST	SURRERS, J. E. S. Exections Regarding the Anatomy of and the S. Executive In the Treatment
Chest Wall and Breast	of botthe 5 recal Technique in the Treatment
For R P Total Presso of Clanck and First Rib	BAXIEZ, G. L. Appendiction in Infancy 361
for Valignant Disease 357	FRANKE BLEGGE J M Hyperplastic T herculous of
ZESAS D G The Questio I Pleural Reflexes 357	the Colon
Trackes and Lungs	Hirscone v L J Th P thologic Sigmoid Colon and Its Surgery
LILIE THAL II Pulmonary Abscess and Bronchsec tass 557	MARTIN C F Retrorectal Infections
	The ECAR W Pamilial Occurrence (Intestinal
Pharyax and Œsophagus Walker I J Spontaneous R pture of the Healthy	P DP4
Chophagus 358	HILL I C Inal ad Rectal Geo the f Benign or
	M 364

MILENATIONAL ADSIRACT OF SURGERY

JUNGRASCH W Actional Suppositones in the Treat Practures and Dislocations ment of Procestes Ross G. G Fracture of the Surgical Veck of the MILLS W E Two Cases of Total Excision for Complete Procidenti of the Rectum 365 Monther \ Lata Paralysis of the Ulnar \erve Fol-ioning Fractures of the External Condyle of the Liver Pancress, and Spicen Humarus. MEUDIE A Modern S repeal Treatment of Non Su 375 Mought 1 Congenital Division of the Scaphoid of the Wrist Sumulating Practure purating flydated Cysts of the Lever ERTALD R plure of the Li er by Abdominal Co to-177 Sastes C. G. Fractures of the Pelyss, with Report of sion Suture of the Li er Recovery Lases 378 CIRROY J 11 The Treatment of Gall Bladder folco-LATES W L Compound I actures of the Bones of tions with Report of Twenty-Six Rece & Cases the Extremetics PARTY \ Typhoid Cholecy states 178 357 Clarate, M L. Modern Treatment of Fractures 379 GRILLET J Cholecystectomy during the Vitale in

363

368

368

368

360

370

373

Vente Calculous Cholecystatus Witnesser 1 II Lyperments in the Technique of D verting the Bile into Different Sections of the Intestinal Tract Transplantation of Vater's Pa-

pulla DEALAR, J B and Preirren D B Chronic Pancre Litis WALTER SALLIS J Non Biliary Pancrestitis

STARGOT B S recry of Stab Wounds of the Spicen with Special Reference to Transplantation of Omenture

SURGERY OF THE EXTREMITIES Diseases of the Bonsa, Jaints, Muscles, Tendons -- Conditions Commanly Found in the Extremities.

CHALARY I' I'mmary Outcome Islas of the Patella MCCLLEE C R Sacre-Har Traumations MEY'R The Light and Irradiation Treatment of Surporal T berealous

CHILLESA 1 Treatment of Surposal Tuberculous and Infected 10 ounds with Media 370 VINAS Treatment of T bereular Cristis by Ingecnos of Lactic Bacille 370

LILINOLE A Hypertrophic Pulmonary Osten-A thropathy-Marie Unicase 37 Il LLOWITCH W M Spontageous Gaugrene of the Lo er Letremuty and Its Relation to Scierosis of the \ evec

LAPOT TE \ Rupture of the Articular Purtue of the Long T adog of the liscres 37 GASSMANY T Study of Richet 378 B ANDES M I spenmental Study of the Time of to-

pearance of Bone Atrophy Caused by Disuse KATALE \ Laperimental Calcification in \orms! Fig. 834 Tr-nor ff C. Traumatic O turbances in A trition of the benul na Bone of the life d

DICASON F D and WILLIAM D P The Results of Joint Tuberculous in Series of 200 Cases, buch ha been Under Observ tion for F or More 3 cars 373

Dans, P G Clinical and Experimental Results of Streptococci Infections, th Special Reference to Arthritis and fits Treatment

MEISCABACH R O Pseudo Arthrous Produced by Interposing Sheet Salk and Hayberry Wax BRACKETT E G The Use of Indolorus Oil in Joseta 374

HERRICK W P Massage and W venents for Cer-375 Davison C Treatment of Fractures by Medullary Bone-Splints WALTER C F Sutoplastic Intramedulary Bon Peggang as Method of Operate e Treatment for Fractures. LF DAMANT P Congenital Dislocation of the Hip ...

379

353

381

354

384

HARPOCIW P Church and Experimental Study of Traumate Back and Lutations of the knee Surgery of the Bon a, Joints, Etc. HLCares, B The Complications and Treatment of Compound Practures Crassa, J J Open Operations : th Treatment of Fractures and Dislocations ığı,

Minerar J B Arthrophasty for I tra triticular Bony and Frience Anhylous of Temporoman dibular Articulation Report of Aine Cases Layers Resection in Old Cases of Traumatism of the liso DELATOLE II B \ Review of Vinety \me bribert 181 oppes for Fracture f the P tells

GEICKE C The Electric Drul, Saw Reamer and Terphase to Bone Surgery LOUNG T C Survey of Bones and Joints SEXEMPTE G If Bon and Joint Surgery Orthopedics in General

DURANG M temputations of the Foot

FRANCE J and ROBARTS, H If Congratal ficency of the Radius and Homologous Con Congruental D tion in the Leg CERNER, M H Pages Pervus Contraction MALCLAIRE Seem Articular Gralis and Typical or

Attractal Resections of the Ance for Outcomercome 345 LIFFREAVY I Study of the Congenital Malforma toos of the inkie Called Volkmans 386 Enal Pauxo A Club-foot St testical Note Tanectomy for Club-Foot A V w Meth WILLIAMS. ed of Operation TS, R The Surgical Treatment of Iofantale

D vis G & Lumbosacral Pains, from an Orthopedic Standpoint Breatett L. Yew Apparatus

SURGERY OF THE SPINAL COLUMN AND CORD

Paralyme

ROTH R L School Postures ad Spinal Delormities 387 LERICHE R Technique of Laminectomy and Ra-dictiony from Seventeen Cases

INTERNATIONAL ABSTRACT OF SURGERY

ADAMS Z B Ca acs and Treatment of Scolious 383 SCHANT A Concerning the Treatme t of Scolines 25n SEVER J W Report of the Scolory Clause I the Children's Houses Boston

SURGERY OF THE NERVOUS SYSTEM

De Harre 1 F Cases of F rater \s Genories & Oner too for Little D sease

MISCELLANEOUS

Climical Entities-Tumors Ulcers, Abscesses, Etc. Ro s P Cert in Spoot cou Chick n Tumors as M nel stations of Si gle D sase Sp ndle L fled Surcomats Rifted w th Blood Sinuses

L ME I B Certain Sponts cous Chick T mors as Manifestations I Single Distase Simple Standl Celled Sarcom ta

May W I The I rophylau of Cencer

30 Lower I K and Linear & \ II The Culti et a of Human Tissue in \ tro

Sera Vaccines and Ferments

lag I I The Treatment 1 Tetanus by 1 t toxin 30 I LLE I II ad WELLER W II Annearance I (ollow | \mbydn Reacting bulbtaners the Line

Blood

LESPINGE, \ D The Treatment of Harmorrhagic
D case I the \co Born by D rict Tra dusion of Blood with a Chrucal Report of I urter Cases

Blood and Lymph Vessels.

Ses & W Arterios pous the rism (th C mme Carotid d I t mal lucular

203

393

101

4 5

I term enous Inc nom of th GUSON II EMA I t mal C coud and the lat mal lugular Monney F G Treatment | Lymphosarcoma by

Rengal

Bt. TING C II Hodgian Donase 704 Bryn G C II The Blood Luture : Hodako

Due 40 104 L RETAL A Clinical Consider tion of Hodgle

Distant 205 HANAS C. \ Lie tion f the l n minute \rt rs 305

El ctrology

Has as Il Theory of the Effect | Ray I pacial h of the Lat t Prood 305 REAL J Protect Iff tolkadnum I ma to

on the secondary beaual Cha ctam of Test as 106 HARTE (1 NRs I makings in the 1 small Stomach 106 S attuing II Irradiation of T more 106

GYNECOLOGY

toS

200

400

Uterus

Cas I Cher Ithe Lirus D BAL P d BILLOT & C nce of the Uteru and Radium

Primary Res Its of Rude in F ecoult Dos. Ronte Freatment Inoperabl C of of the Lteru tud Lost Oper t Recurrences Laster W. 1 ffect of Rady in Mesothorium Fre t

me too (n nom of the Cen SCHOOLELA C Clinical and Topographical Stat m. th Remark cal study of Visoma of the C. r.

in The Ope 1 Removal W Study of Heterologous Vessalermac (no its libe (en

B NTH W I ttology I Myona I the Cterus v My ma II art and Deep Irradiation 400 it an Accit W I'm timent of a Cartine Viwal anathed Baril Prot g] W Corpus L te m Menstruation and

Prez wt | | I Indometritis Result ne from 16 surface I for a notters W lamper

II morth ge The Fre true t of I muon of the Crema

Should Be Copurs 1 ve r Il la Impro ed Gilliam Operatio for Lt rine Dal ciment

In in and R pt re Ithelieru Ha f Pa ph taus of Gene al Perstonates in Opera tuons on he True Pal is Lapecially the Radic I

Al hominal Tot I I turned on of the Uterus for E PLYDAUGRA

P T t I Vision nal Ily terectomy by VILLECTIAL . Lener Section I th Let is

W mor & Sudde R laxation of th Lterus Curett ce

It Cit J | perime tal Study | the Lifert | Lepresed Juses d I tracts from the Thyroid Os ry and I fee to un the Rablet Literus in) tro

Adnexal and Penut runs Conditions

Mrs R P thological Inatomy I the Overy Ouphunts 500 Structure ItheO nest Mammals 4 3 CATT LO D

Theory I the I ternal Secution 1 (I the O an

ALLESON I Colgs \ twork in the C lie of th Ovan 40u

I Lipod of the O ary and Corpus Luteurs, Stan lating! Annuals The Same Species

BALL I The So-C lled Strums I th Osars Study of the Histograms of Ovaria Costs

to kim Circ a nor of Hidataliform M la and Itilate | C lived C) t | the Ch per I TAN ALL C | Lapertmental Stud of the Lifect of

O arian C train on the Bland Part re > 1 Th Porthchum of the Appendages

of the Broad Lig ment 400 The I pendicitis book ted th Inflamma-

the of the Idnesa 103 Le & L. I was ve Pel at Pentonius 405

Kness Rontgenological Measurements of the Pelvis and MARTON E. The Pelvis in Prolapse External Constalia POYTOPPIDAN L. GOROTrhoral Diseases of the Female

Genttalia Miscellaneous BORTAIRWITSCH, \ Study of the So-Called Adeno myomata of the F male General Tract

GUDIN LER SORTISCH D Two Cases of Chats of the Wolffian Duct MENE Rugge IL Tuberculous of the Female Gen

staba Marca R. Ectopic Decidia 407 ALBRECHT II Isthenic Inf tilum of the Female Genitalia and Ita Significance in Medical PracHERRIANN E. The Clinical Significance of Changes in the Female Genetalia in Status Hypoplasticus 407 VESSUELOWA, S. V Changes in the Blood during

Mensprustion DEUTSCH A The Treatment of Hemorrhage in Adolescence with Pituglandol BRUGYATELLE, E Interstatual Cells and Internal

Secretion of the Mammary Gland Henryces, L. Significance of Prescule Involution of the Mammary Glands

Batterster 1 The Significance of Batterological Learning before during and after Gypecological Operations HENRY, M. Itradiation in Gyncoology the Treat-

ment of Carcinoma of the Literus BLEMPAPELOT L. and DARLMANY A The Electrometrogram to Animal Experiments

OBSTETRICS

407

43

413

43

Pregnancy and Its Complications

BACAMANN II Ad anced Catra Uterrae Prespance 4 o HOLHER I tra Uturn Pregnancy after Latte-Utens Pregna cy ROUVIES I Cocantance | Intra and Latra Uternae

Premancy Int repeat him itaneously at the Boods ure M Two Pregnancy th One L mg

Child Inside and One Outsi le the Literus CRAY A L Eclamous 4 1 Present b and Say & M. Cholesteratus and Massermana Reaction Lelaminia

Frank 1 Senes of Recent Casatran Oper tions Water R place of the Lierus in the Scar Left by Cervical Caparean Section

PLOIS II Cavanna Sectio (T tal lakylous of Both II p Joints LINDEN TY II Yagural Casantan Section in Pla centa I resua

POLANO O Larthe Expendence 1th Posterior Cer vical Casarean Section L WRENCE C J Impassable Contraction of the Gra id Lt ru Report f One Case Verified by

Casarean Section Dilat tun I the Stomach Recovery BRODERAD & L. Cresarean Section f. Double Multa

locular Ovana Cy 1 ROBERACE W Results of I samination after Latra pentoneal ad Franspentoneal Lasareau Section

VAN CAURE BERGHE A 1d antages I Aruber 1
Premature Deb 17 LIEY U A Artificial Abortion Ps boses fre the Psychiatric Medicologal and Lthical Points

of Juen BESTURY W How Can Bad Results B \ select I ebnie Abortson

PRESER and TLM The Blood I rments in Pregnancy and Duesse

FRANKENSTEIN & Hiemorrhage during Pregnancy 414

STREET E Tuberculous and Preznancy Immorea R. The Present Status of the Ouestion of

455

4 5

4 5

4 5

435 416

4 7

Tuberculous of the Larvey and Pregnancy ROLENGTHEN M. Appendictus and Programmy Vaurice Simulated Appendiction Prognancy

J Three Cases of Gall Stones Associated NATEO RUCE Ja. C Gynatromas in Programmy

MCHERALN \ The Promotos in Chorea Grayadarum 416 Labor and Its Completations

Mayre L The Treatment of Labor in Contracted Pd in

Taxy R pg Breech Latraction by Deventer Much ler & Method

Parties L. Tarre Cases of Severe Obstetrical Harm there Treated by Mornburg s Method. th Suo CENS IN TWO CASES

MACCARRENT F Relation of Syphilis to Dead, Macerted I cetures

UNTERSEASER J P A Method of Determining the Degree of Dulaistion of the Os during Labor by External Learnmanion Hotung, O Esternal Examination during Labor

GARMETON J A New Method of Artificial Separation of the Placenta GUILD 4, F Retention of Membranes in Full-Term Deli cry

Puerpersum and Its Complications

Post W D Puerperal Eclampus with Special Reference to Pre entron B DURMAN G Puerperul Sepsus Some Methods of

Presention Hirs J C The Ro une Treatment of Puerperal

CREATARDE S T The Prophylactic Use of Sensituad Bacterial Vacune in Pursperal Sepais

INTERNATIONAL ABSTRACT OF SURGERY

V11

414

435

435

GELLAUNE C The Massgement of the Perspenum a Chapter in Persentiva Medicions Fasse and Dryo. Influence of Genorthers on the Purspenum Macellaneous SCONDITATIONS, J Theory of Abderhalde Pregnancy Reaction and Remains on the Internal Secretion of the Penual Gentlaha Consideration of Morphological Principles CHAPTER, ILEUT, HOSMERS, and Others Semificance Control Internal Secretion of Morphological Principles Gynecology Alexandro and Others Semificance Control Internal Secretion in Obstetrics and Gynecology Alexandro International Control Int	LAUPE, ALSO E and PECES R The Action of the Blood Serum of Vormal and Dessead Individuals of Princettal Albumm and Programs of the Princettal Albumm and P
II Albumpuna 4 3	I tra-Uterane Methods of Preventing Co ception 426
GRNITO URINA Kidney and Ureter Solcinor E The Philosophic Anatomy of the Last 25/2 Divis L Calculous Anuns with Report of Two Luses 4 7	VEAU 1 Total Rupture of the Urribra in a Child of Lie on Circula Suture Cystostomy Reco ety a thou Sincture Mannot G Late Results of Circular Urethrornhaphy Followed by Den Loon in R plure and Tran-
Boards F b. I jumes of the hadeey 4 7 ARMA P Total Gangrees I the Right Kidney Scondary to Penosphrite Phicginon 4 8 ARMEN W R Jofectuse of the Unsary Tract Infants 5 Auntes A Study f Aberrant, Supersaumerary 4 8 Rolando D Intra sexual Extigation of Large Papullonant Implacted around the Ureters 4 8 Biadder Urethrs and Peaus Suprov T Y A Class of Ectopia Vence Inch March 1998 Rectumers were Gratted Successfull using the Rectumers were Gratted Successfull.	Genital Organs Moert E Cyst of the Spermatic Cord of Connec- t Tassee Orig: 430 Squrax J B Inducations of Ope tong on the Sem- mal Veside 1 The Diagnosis and Treatment I La ly Mulgnart Disease of the Prostate 43 Miscellaneous Bearmout? L The Effect of Chronac Alcoholism Chic Organs of Miss Especially on the Sexual
Ju 700 J A Lustrophy of the Bladde 49 CLAI AROM E B A Simple Method of Bladder Drainage 479	LIMAN E ternal Masculine Pseudobermaphro- dition 43 Waller, J W T Unnary Introspites 43
SURGERY OF TH	E EYE AND EAR
Ey PARIES N. A. Emological Relationship betwee Accident and Detachment I the Retina DOUGE E, R. Olius Media and Oue Septicsmina (rom P) ocyaneus HARR P A Traumatic Lifoliati Ker titis RIARR PA Traumatic Lifoliati Ker titis	NWAN E R Iring ton after Cataract 434 HOLLAND, H T A Thousand C taracts Performed in Six Neels at Shikarpur OCo o R P Furthe Expenence with the Write M theol of Shortening Occular Muscles thout Employing's Eures under Teasure.

434

434

Ear 434

LOTHE II A Frontal Sinus S ppuration

Noon, J N The Use of the \asopharyngoscope in Otorhinology

Operations

G asov C Blepharoplasts by Pregrafted Flam

Barno R Cat ract in the Capsule with votes on Eleven Hundred and Thirt Seven Consecuts

Kauss Rintgenological Measurements of the Pelyis and MARYIN L. The Pel is in Prolapse

External Genetalia

PONTOPPIDAN E. GODOTTheral Diseases of the Female Genitalia

Muscellaneous

BORTHER STRUCK, A Study of the So-Called Adeno-myomata of the I emale General Tract

GEDIN LEW LOWITHCIL D Two Cases of Crists of the Wohlian Duct MENLE-RUEGE II Tuberculosis of the Female Gen

MEYER R. Letonic Decidus

ALBRECHT R tethenic Infantalism of the Female Gentalia and its Significance | Medical I've tice

HEREMANY E., The Chaical Sugarficance of Changes in the Female Genitalia in Status Hypoplasticus 407 ESSECTIONA, S. N Changes in the Blood during

Menstruati DEUTSCH A The Treatment of Hamorthage in Ad-

alescence 1th Pituglandol BEDGRATELLE, E Interstitud Cells and Internal Secretary of the Mammary Gland

Hanne E E Surnificance of Presentle Involution of the Mammary Glands

BATTETISTE A The Significance of Batteriological Examination before during and after Gynecological Operations HEAREL, M Irradution to Gynecology the Treat-

ment of Caronoma of the Uterus BERMANFEEDT L. and DARLHAMS A. The Electro metrogram in Animal Laperiments 400

407 OBSTETRICS

43

406

407

Pregnancy and Its Compileatings BECAUSE W ld an ed Extra-Uterine Pregnancy 4

Houstus I tra Uterme Pregnancy after Catra-Lienne Pregnancy

R EVIES J Correstence of lates and Extra Literate I reguancy I terrupted benultaneously t the Lod I Three Months Reco ery thout Opera-

Boundson TS M From Pregns cy tils (the Li ung Child lastele and One O trade the Uterus GRAV \ L I clamous

41 Pres 1 b ad Savare M Cholesteranus and Wassermann Revision in I clampain I gant A Server of Recent Carate a Operations 42

Motor Ruel to of the Lurus in the Year Left by Cen cal Casarcan Section

Pucin II Caratean Section I Total talylous of Both II p-Joints Li Dix yo W Vagual Casares Section in Ma-

cents Pra Po and, O Furthe Expenence with Posterior C ical Canadian Section

LAWRE E, F J Impressible Contraction of the Grand Lierus Report of One Case V rated by Congress Section D Interior of the Stomach

Reco er BRODREAD (L. Casarean Section ! Double Multi locular O anan Cyst

ROBERACH W. Results of Lyaminations after Later person aland Transpersioneal Cenarean Section 4.3

ld antages of Aruboul VAN CAUWER RGITE A Premature Del very LUCYAL A Artificial Abortion 1 Psychoses from

the Parchistric Medicologal, and Lthical Point of I KW

BENTHIN W. How Can Bad Results Be 1 orded us Febru Abortions

PRESER and Texas. The Blood Ferminate in Pregnancy and Discase

A PERSONAL A Hemorrhage during Pregnancy 4 4 SLEGENT E Tuberculous and Pregnance

IMMOTER. R. The Present St tus of the Question of Puberculous of the Laryns and Premiancy ROSENSTEIN M. Appendicates and Pregnancy LAUTIAN Simulated Appendiction Programmy 4 5

415

4 5

41

4 5

4 6

H

HATSON J Three Cases of Gall-Stones Associated with Pregnancy Rt E] C Gynstresses in Pregnancy

MCHIBALN 1 The Prognosis in Chorea Gra planter 4 6 Labor and Its Complications

MENTE, L. The Treatment of Labo in Contracted Priva Fast R De Breech Extraction by De enter Must

I r M thod PRESEN L Three Cases of Severe Obsteincal Hern share Tre ted by Momburg a Method, th Suc

cres in T Cases MACCASSIVA T Relation of Syphilia to Dend Macerated factores

Uver assesse J F A M thod of Determining the Degree I Dil taison of the Os during Labor by Laternal Lannunation

Il rates D External Leamination during Labor G BARTOY J. A. 1 New Method | Artificial Separation of the Placent G HEAL P Retention of Membranes in Full Terr

Deh ery RACIONA OW A Y Non Lization of the Ombileal

Cord Practiced in Ten Thousand Deliveres

Presperium and Ity Complications Pourse, W D Puerperal Eclempass with Special Reference to Prevention

BALCHMAY G Puerperal Sepsis Some Methods of

Presention Hust J C The Routine Treatment of Puerperal Separa

CHAMTALOUP S T The Prophylactic Use of Senattited Becterial \ one in Puerperal Sepais

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435

435

435

the Mastoid Operatio

DENCH E B The Treatment of Acride tal Wound of the Dura during Operation poin the Mastor Process
HALL G C Surgical Judgment in Operations for Acrite Mastoditis

BRAUY A and FRIENER I The Diagnosis of Lack cranial Complications of S ppurate e Labymoth ti

SURGERY OF THE NOSE, THROAT AND MOUTH

Nose
THOUSE SY C Some of the Symptoms and Compile to of Su usits
Li cr R C Lac um Disease of the Maxillary Sinus 437
COHEN L Correct a Rhinoplasty

GENERAL SURGERY

CARMON T E Hi topathology of the l usual T not Thomson by C I transac Cancer of the Laryn Complete Fact on Apparently I flected by E do laryngeal Operation

BIBLIOGRAPHY

MESCELLANZOLS

STREET TECHNIQUE Operati e Surgery and Technique Asspire and Antiseptic Surgery Assistation Surgeri Instruments d Apparatus	Cinucal Entuirs—Tumors, Ulcers, Abscesses six Sers Vaccoses, and Fernancia Blood Ja Blood and Lymph Vrasels Place Superal Therapeutics Electricoge Electricoge
SURGERY OF THE HEAD YO VECL	Mulitary and N al Surgery
Read	440 GYNECOLOGY
Neck .	
SURCERY OF THE CREST	Oterus Adnezal nd Penute ne Conditions External Genitalis
Chest Wall and Brea t	
Traches and Lungs	
Heart and V scula Sy tem	44 OBSTETRICS
Pharynz and Esophagus	44 Presence and Its Complications

Diseases of Bones, Jonata, Muedea, Tendons
General Conditions Commonly Found

16
E trummers and Dislocations
Fractures and Dislocations
44
SURGERY OF THE KYE AND EAR

45
Ear
Orthopedics to General

18
Eur GREERY OF THE KYE AND EAR

18
Eur GREERY OF THE KYE AND EAR

18
Eur GREERY OF THE MOSE, TRIGOAT AND

18
EUR GREERY OF THE MOSE, TRIGOAT AND

SURGERY OF THE NOSS, ARROAL C LUAY AND CORD 449 SURGERY OF THE NOSS, ARROAL ALL MOUTH
SURGERY OF THE NERVOUS STREET 449 Nose, Throat and Mouth

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GENERAL SURGERY_Continued

Start McGuire Lewis S McMurtry Willy Meyer James B. Mones Fred T Murphy John R. Murphy James M Neff Edward H. N chols A. J Ochaser Charles H. Peck J R. Pennington S. C. Flummer Charles I. Powces Joseph Ransohoff H. M. Richter Rennet Ruigford H. A. Royster W B. Schroeder Charles I. Scudder M G Seelig B. J. Sean John B. Summers James B. Thompson Rerman Tabolike George Tully Vaughan John R. Wathen. CANADA E. W. Artchbald G E. Armstron H. A. Bruce I. H. Cameron Japper Halpenny J Alex Hutchson Frances J Shepherd F N G Start T D Walker ENGLAND B. Rumon Asque Arthur B. Barker W Webson Chepre W Sampson Handley W Arbuthnow Lans G H. Mainnz Robert Min E G A. Mojnuhan Rushton Parker Harold J Stales Gordon Teylor REELAND

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thrams, P 4 4 teconer G, 423 Adams, Z B 388	Lbeing \ II 392	Jungerich W 365	Rachmanow 4 \ 419
Accounts G , 423		Assarglesloff 398	Ramsey W R 48 Robarts, H H 384
Adams Z B 188	Lrtaud 366	Astase 1 er	Roberts H H afts
Albricht, II 407	h harman and	Katase 37 Katz, D 358	Robinson, 13 4 5 Rolando S 4 8 Rosen tem 21 4 5
AURENCE II 407	L bense A A 42 I stes, N L 378	A112, D 1 350	Authority to 3 3
Allmann 43	1 stes, 11 L 378	Manager & 350	Molando N 4 B
Utermann I 386	L ette 40	5-D000L-450	Rosen tem 31 4 5
	Fabre 4a	Krupski, 1 I 4s	Ross, G F 3 5 Roth R L 387
Azars I 427 Bach, 426 Barrd R 434 Bartlett, W 361 Bates, U C 355	Palls I II an	7	Park 10 1 and
ARLIX 1 427	Falls, I II 39	Stubert F 1 41	NOUN K L 307
Bach, 426	letré 42		Kous I' 300
Barrd R 424	Iort R E 357	Lahm W 399 Lampe A 4 3 Lange L B 390 Lapo te 1 37 La rence, } 413 Le Damany P 3 p	Rous F 390 R ter J, 4 Ruge J C 4 6 Sabr , C G 37 5 2, 31 4 1
Bantlett W. afe	I ankenburger J M 363	Tampe 1 . 1	Rum I C . 6
Partitude 14 301	y wiremnntifen 3 m 3n2	manife 3 4 3	6.1.
Bases, U.C. 355	Frankensteis K 414	Twite r' to 300	Sem (C C TY)
B uer L 404	I ase J 184	Lapo te 1 37	5 6,2141
B uereises A 405	I ase I 384 Frenkel That H C 372	La tence ! I are	Schutz \ 380 Schottle G 300 Schottle der J 4
Baughman, G 4 g	France Land II C 1/2	Lallamen D an	Schoolale C ann
Daugaman, C 4 g	Friener J 436	Te Dumany , 3 h	Colorado do 377
Berkmann W 400, 410	Fromme 4 362	rel es to	SCHOLUZ GET J 4
Beckmann W 400, 410	Fuchs, 4 3	Lenche, R 388	Schulr W 358
Dellat A sell	Fuche II	Lesponance 1 D 303 Lespona, R 356	
Bellot A 398 Benthin W, 400, 414	3 4 4	Lamester B. 146	Savanet C 414
Benthin W , 400, 414	10Cac 1 403	LEWICONE, R. 350	Course V II 473
Benthin W, 400, 414 Bergtold W H 359	Fuchs II 4 s Fuchs I 403 Fuchs R 4 3 G bu ton, J A 4 B	Lachtenstera, D R 338	Sever J W 309
Bertholet E 431 Bertolom G 42	Ghutun TAAR	Leono, A 411	Sessmith, G II 384
Restoler C 40	Course the ea	Salanthal II ser	Sharm, Y C 435
Destoion C 42	Campa , 15 3/	Tradema a W	Sever J W 389 Sever J W 389 Sessmith G II 384 Sharp, J C 435 Sumpson T 1 429
Besalski & 307	Griger C 333	1.11mcma 2, 1) 4 2	Souchon E 427
Bl menf ldt C 300	Gapel, 4 s	Losce J R. 391	
Rondono nte M + a	Gullhorn G. 41	Lathrop II A 414	Soundat, P 353
potamo maj 4 o	Chhen T IZ WA	Time W	Source I II 430
Besalski K 387 Bi meni ldt L 400 Bogdano 113, M 4 0 Boland F K 4 7	Gassmu, IIs 37 Genger C 383 Gs pcl, 4 3 Gullhorn G 42 Gbbon J H 366	Tomas C. D. and	Stammer 1 425
	Glard II C 355	Lapan, A 413 Lapan, A 413 Lapan, A 413 Lapan, A 42 Loser J R. 391 Lottrop II A 434 Lyts, W, 4 Lyman, C B 359	Sourdet, P 353 Squee J II 430 Stampler 1 428 Stample B 368
Brackett, E G 374 Brandes, M 373	G ford H C sec		TIAMON D 300
Bounder M. and	Glmour A 371		STORDET L 4 4
DUNINGS Nr. 314	Colore Division and	Stables S 100	Stolper L 4 4 Styliel, W 303 Summers, L 36 Thersen, C F 356
Braun A 436	Gilson Hermann, 393	Manual J 400	Summers I I. 16
Brodhead, G L 4 3	Goebel, F 355	3(kms,) 1/ 1 3on	Sommer of the second
Rimerkeart I 110	Gray 1 L 4	Manon G 430	13eyen, C r 350
Broughton Mesch 100	Collet I oft	Markoff A	
Didnikated intere is 400	Cudwan I - Lon tech tech	Marty C P she	Thornion bt C 437 439
Brugnatelli, L 405	Goebel, £ 355 Gray 1 L 4 Grillet J 367 Guddan Lewson tsch, 406	Mahier J 400 Mahier J 100 Mahier J 100 Mahier J 100 Marto G 430 Marto C F 364 Marto C F 364 Marto E 400	Thorbecks, II 364
Bucuta C J 403 Brinting C II 304 Carmody T L 437 Cattaneo D 403	CHICAL F 4 0	Maria E and	The R. de 4 7
Bunting C II tas	G mapert 416	Mauriane 185 Visyo, W I 10 Mc Clura, C R 169	
Comments Tr P 417	Haman E 4 Halban I 596 Hall G C 436 Hamann C 1 395 Hardou n I 330	V2270, W 1 40	Tuma, 414, 4 5 Unterberger 1 3 4 h
Carnedy 1 L 431	Walken I and	Mc Clum C R 160	Unterberger 1 3 4 P
Catimaso n 403	Table of S	Usuenba h R O 374	Van Cau enberght 4 3
Chalaby F 309 Champtaloup, S T 4 9	Hall G C 430	depends h tr o 214	V utone at C
Champtalour, S T 4 9	Hamann C \ 395	Membe 370 Membe 1 365	V stane, 415 V trin 40 Venn V 429
Chlumsky V 370 Clarke, J J 38 Claybrook E B 4 9	Hardoù n I 330	Mendre / 302	t tritt 40
Children 210	Harris, 21 L 379	Meret fr 4 o	1 ears 7 429
Clarke, J. J. 3n	1 min 2 2 314	Meyer R 403 407	l Bechaue P 40
Claybrook E B 4 9	Haro P 1 434	Moor Rungs, If 406	\ nav tro
Cobb 1 307 Cohe L 437	Hartmann H 360	Titles water it does	/ ush 3.0
Cobe I 427	Harting & 390	3416s, 11 / 305	Total And And
Constantini II 36	Hartung A 396 Hedanger I 408 Hennels II 395	34 ks, 11 1 365 34 F J W 40	1 On Lings D 4 3
Coustainm in 3n	The state of		11 511 1 350
Cremer M H 384 C thbertson W 401	11cmere 11 342	Mest R um	71 Tker J 73 F 433
C thbertson W 401	Henkel, M 409	Managed A and and	Ballich AM
Dahimann A 409	Hest 41	Manches 1 375 377	Walter C h 110
D 18, G G 387	Herrick W P 375	Most R 430 Mouchet A 375 377 Multibuum, A 416 M rphy J B 38 Venamelo 5 \ 407	lon Lingte L 4 S Walk I J 355 Wher J W F 432 Walters C F 370 Walter balls, J 365
D 15, G G 30/	Herrmann, L 407	M rphy J B 38	Walter Sams, J 300
D is, L 417 D viso C 379 Dea er J B 368 De B ule F 389	THE STATE OF THE PARTY OF THE P	Vesamela 5 \ 407	W teen J 4 5 W lker W H 39
D VILO C 379	133M, 1 C 344	A etto A ene	W lker W H 39
Then er I B 168	Ibil, T C 364 Ifirschi ki, L 136 Hirschman, L J 363	Netto 4 405 Venman L A R 434	Wity C F 435 Wichmann 5 h., 405
De Rule F 180	Breschenan, L J 305	Abenian P U w 474	Wichmann & R. 405
De D and Joy	Hint J C 49	O Connor R P 434	TO A STATE OF THE PARTY OF THE
Degrass, P 308 Delatour H B 38	Hochae, 4 0	Oertel C 4 3	Weden nn H 367
Delatour II B 37	Hoehne, Q 4 8	Pauchet 3 0	Il Hard D P 373
Delore 150		Perimana, A 433	W. illema, 386
Dench 1, B 436	Holmury 4 3	1.61 maner v. 433	
Delore 150 Dench L B 436 De tich 1 408 D claon, T D 373	Holland, H T 454	Pept A 367 Pl a D B 368	Wolk wrench, W 35 37
De tare . The	Hole I. I to	Pi a D B 308	11 -1 7 117 116
D CLIOR, 1 D 373	Musha R sho	Pierra, L. 4.7	11,000, 1 17 433
	muchica & Jon	Pierre, L. 4.7 Pisani S. 41	Wood, J W 435 Y tes, J L 395
	SIGNORES IK 4 5	Polano O 41	Young IL II 43t
Downer W A 160	Irons, L. L., 39	Postoppedan & 406	3 0me T C 384
Downes, W A 360 Driesses, L. P 401	Holt L I 34 Hughus B 360 Imhofer R 4 5 Irona, C L 30 Iscovinco H 404	Southern P 400	Zeese D G 357
Ducker' er a do-	Tun F 4 6	Porter # D 4 9	Young T C 314 Zeas, D G 357 Zeas, D G 357
	Jyn F 4 5 Jhnston, J A 429	Presi	Zaguiel L 423
Durand, 51-, 383] nes, R 350	Oufn 1 96	ENTERIOR & 423
Durand, M., 383 Dyss, F G 373	J 2503, N. 36V		

INTERNATIONAL ABSTRACT OF SURGERY

OCTOBER tet4

MONTHLY COLLECTIVE REVIEW

THE ABDERHALDEN (SERODIAGNOSIS) TEST FOR PREGNANCY

A RESUMÉ OF THE LITERATURE

B. W. A. NEWMAN DORLAND M. D. F. A. C. S. CRICAGO

Professor of Gyrenology as the Peat-Graduat. Medical School Professor of Obstates as the Marked Department of Legals Uncertainty

A 1012 Emil Abderhalden professor of biologic chemistry in Halle Germany formu lated and published a new idea in physiology which if it stands the test of time as it appears to be doing will go down in the history of medicine as eroch making It has been termed a laboratory disgnostic test for pregnancy especially valuable during the first four months of gesta tion but in its ramifications and enlargements it appears to be far more than this becoming in reality an almost mathematically accurate method of diagnosis of many organic diseases as well Since the appearance of Abderhaldeo s first paper there have been a few dissenting voices, notably Engelhorn and Michaelis and Von Lagermarch in Germany and Heaney and Day is and Williams and Pearce in this country but the consent us of opinion among those who have studied and tested the method in over 3,000 cases is corrobora tory The possibility of errors in technique must be borne in mind in every negative case. In all his expenence Abderhalden has never obtained a negative result with serum from pregnant women or animals Moreover an interesting side-proof was obtained when placental material injected subcutaneously or intravenously into males gave positive findings In studying the method Abderhalden et a in

In studying the method Abderhalden of e., in his various contributions, the following axioms r. Poatt e findings show that the serunt comes from a person with a placenta but this does not show whether there is a living fortus present or

not

- 2 If the reaction is positive and there has been recent uterine hamorrhage even in the absence of other signs of pregnancy an abortion is
- suggested
 3 The reaction generally grows weaker totard the end of pregnancy and increases again during the puerpersum
- 4 The rotatory action of the serum of the fortus sometimes differs from that of the mother s serum. This confirms the biologic independence of the maternal and fortal blood.
- of the maternal and fortal blood

 5 The ferment is present in the blood from
 the sixth week after the last menstruation until
- the end of the third week post partim

 6 The fernoent is present in ectopic gestation
 as well as in normal pregnancy
- 7 Experiments on animals show that the reaction may be obtained within twenty four hours after implantation of an ovum

THE PHYSIOLOGIC BASIS OF ABDERHALDEN S METHOD

Abderhalden s biologic test is based upon the principle that when a foreign substance is introduced into the blood a specific ferment is elaborated which is capable of decomposing this material. These protective ferments (Abwehr ferments) appear whether the foreign bodies gain entrance to the blood current autogenously or by parenteral (subcutaneous, intravenous, or intrapentional) injection. They are strongly protecy the causing the proteoly is by hydrolytic cleavage and work independently of the similar

protective action of the leucocytes. Moreover they are specifie in their action in that they digest or break up protein substances of the same nature only as those which are introduced into the blood current and not any proteid in definitely Ferments of this outure foclude the agglutinins, anaphylactogens, hæmolysias, precipitins, and other bodies of modern physiology

The products of this protein digestion are rimanly peptones and ultimately amino-acids, both of which are soluble and diffunble and quickly appear in the dialy sate of a diffusion-cell where they can be recognized by testing with ninhydrin (tri-keto-hydrin deuhydrate) or by the buret reaction - both constituting the dualysis method or by subjecting the fluid surrounding the diffusion cell to the optic test in which the rotatory setion of the fluid is noted before and after diffusion has occurred.

The specific ferment appearing in the blood of pregnant women results from the entrance into the blood-current of decidual chorionic and syncytial calls from the placenta and this fer ment possesses the property of digesting placental tissue In order to carry out the test two substances are necessary namely a fresh or recently extracted placents and the serum from the worn

an in whom a pregnancy is su pected

PREPARATION OF THE PLACENTAL TINGLE A fresh placents is carefully washed both externally and by flushing through its vessel This is done in order to remove all maternal and fortal blood which will necessarily contain the protective ferment. The placenta is theo cut ioto small pieces and boiled. The filtrate from this process contains the chononic protesds, and it is this filtrate which is placed in the diffusion cell with the suspected scrum

THE BIOLOGIC TEST OF METHOD OF DIALYPATION

Bod one grain of coagulated placental tissue in ten times its volume of water pour off the water and repeat the process until the addition of a lew drops of a nunhydran solution or of a bigret solution gives no reaction. Abderhalden recommends the minhydrin test as more exact and as permitting finer differentiation in color than the biuret test Now place the placental tissue in a diffusion cell provided with a membrane which allows peptone to pass but retains unaplit protein and to it add 2 or 3 ccm of blood-serum from the patient whose blood is to be tested. Sur round the diffusion-cell with 20 ccm of distilled water Cover the liquid in the cell and that in the surrounding cell (the dialysate) with a layer of

toluol place in an incubator for thelve to sixteen hours at a temperature of 98 6 F (37° C.) At the exparation of this time place to come of the dialysate in a test tube add o 2 ccm, of a 1 per cent aqueous solution of outhydrin and boil for one minute If protein derivatives are present the musture will turn a characteristic violet blue color and it may be assumed that the serum comes from o pregnant woman. If no color appears it is to be assumed that the serum is from a non pregnant woman

The bouret reaction gives a pink color If the digestive process is carried too far the distilled water around the diffusion-cell will fail to give the hurt reaction because all peptone has been reduced to amino-acids. It will continue however even at this stage, to give the minhydrin reaction

THE OPTIC METRICO

Place 1 ccm of a 10 per cent solution of normal place otal tussue in physiological salt solution and 2 ccm, of the serum to he te ted to a small polarisation tube. Read the initial rotation then place the tube in an incubator and test the change of rotation at various intervals up to thirty av hours. Serum from pregnant women will give a change in rotation from 0 05 to 0.2 degree while the maximum change with serum from non pregnant women never exceeds o or degree Abderhalden has devised a special polarimeter for thus test.

ADDERHALDED & TEST IN CENERAL PATROLOGY That it is an accurate means of early diagnosis of pregnacey is not the only claim for this roethod-the underlying principle is much more far reaching than this Any abnormal change developing in any part of the body reacts upon the blood current and products in it some antibody or protective ferment to counteract the pathologie alterations or the towns produced thereby Thus carcinoms and sarcoma in their sarying aspects generate by their presence harmic ferments capable of digesting the peculiar cancerous or sercomatous growth producing them The early appearance of these antibodies or ferments occurring as they probably do within seven or eight weeks of the appearance of the neoplasm renders an estily diagnosis of malignancy possible before metastasis or general body in solvement has occurred and thereby strongly enhances the possibility of total eradication of the growth by surgical measures promptly insti-

Webster has lucadly stated the probable un derlying law in the application of Abderhalden s test to general pathology as follows proteins of the various organs are chemically different that is the component amino acids of which the protein molecule is composed are different in type and amount in the various specafic tissue proteins It is reasonable to suppose therefore that the ferments in the serum of can cer patients might digest the protein of certain cancerous tissue and not of others For this rea son one must use as the substrat [substance to be by droly zedlin the Abderhalden test for cancer many different cancerous tissues in order to be sure of his test This would seem to indicate that the nathologist must keep on hand in his labora tors many stock substances representing the various tumors and pathologic tissues found in the human body wherewith to test the serum of the patient whose pathologic condition is to be diagnosed by the dialyzation method

SERODIAGNOSIS OF INFECTIOUS DISEASE

Ernst Voelkel has extended the principle un derlying the Abderhalden test to the diagnosis of bacterial infections. He prepared substrats of typhoid diphtheria and anthrax bacilli from agar cultures He obtsined trypanosome proteid from the blood of an infected guinea pig by means of centrafugation life also carried out experi ments with the spirochæte using as a control horse-serum since he was unable to separate the organisms from their culture media. His results with the typhoid bacillus were very favorable also with scrum from human beings injected with syphilis but in the case of all other bucilli the experiments did not result favorably syphilitic and parasyphilitic disordera Wegener found that the serum caused cleavage of brain substance but not that of other organs Frank and Rosenthal found that no relationship could be traced between the blood ferments and immune bodies

ABDERHALDEN 2 TEST IN PSYCHIATRY

As Simon has stated a natural corollary of the biologic test of pregnancy was an experimental investigation of the psychiatric problem of the long-suspected connection between certain mental diseases of the functional actuaty namely derangement of the sex glands. Degenerative processes in the nervous 11 us of the brain and of the spinal cord are now believed by Fauver Simon Beyer Wegener and other observer to throw into the blood stream cells or other foreign substances which exact the de elopinent of a specific ferment capable of decomposing the proteins of the brain and cord. In corroboration of

this belief it is well known that in dementia præcox the tissues of the genits! glands are more or less affected and as Webster has stated find the serum of patients with dementia pracox by drolyzing testicular tissue if the patient be a male and ovarian tissue if the subject he a fe male much more markedly than it breaks up any other tissue. In epilepsy cortical tissue is especially acted upon jun those cases in which de mentia is present) while testicular and ovarian tissoes are not at all affected It is interesting to note that these ferments are so specific that the ferment of one sex will not affect the glands of another sex that is the scrum of a woman will not digest testicular tissue nor will that of a man Experiment has also digest ovarian tissue shown that the organs of animals cannot be used in this test but only those removed from a cada ver not later than from six to twenty four hours after death

The following precautions have been suggested 1 The organs should be taken from the cada ver of a patient who has not died after a long agony and has not suffered from an infection or high few re shortly before death

2 The organs should be removed with ascritic precautions

3 Organs containing much fat are not well suited to the test 4 After having been cut up boiled and tested

until free from ubstances reacting with ninhy drin the organs should be preserved in the water in which they have been boiled between a layer of chloroform and a layer of toluene

5 A control test should be made with a piece of the tissue and normal serum and also a test should be made of the serum alone

In manuacal depressive insantly proteolytic ferments could not be demonstrated in the serum by the various experimenters thus indicating that the test may serve as an aid in differential diagnosis.

Webster believes that as soon as the proper substrats are established 'bderhalden's test should be capable of almost exact diagnosis in the difficult beld of psychiatry whereby medicolegal questions would be much more amenable to solution

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ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL FECHNIQUE

ASEPTIC AND ANTISEPTIC SURGERY

Gorbel F D nfection with Corroel Sublimate and Tribom Beta \ phthol a the Study of the Method of Test ng Dis nfectants. (Cher Dest (Lt m t S blimat ad Tribrom-3 \ phth b t Be t g zur Methodik de I rufung d e De-(Lion matel) Date ! mitel) D sur 1 M hen. 913 B) Zent ibl I d ges. Chur u. Gennegeb

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SURGICAL INSTRUMENTS AND APPARATUS

Bates U C. A New Self Retaining Abdominal Retractor and Wound Protect r 5 g G; Code 914 m 33 By Surg C; ec & Ol 1

This apparatu has four retractor blade working through I to in t us I frame ght t ch w ! and nine inch a long Luth I Lule can be full in any position de tell is a ratch t lessee rike willing pressing a button. The limbes with through a funnel abspect piece of rubber withat will not the retractor is in place the murgon I tle inci i n and the adjacent field are every etchy prot et d from sept c mat rist from within and w thout obstating the use I towels for this part ne

By means of this retract r my light lettract on n any heatton required my be it at the reby exposing any quadrent fell scrattice fell ker i It enables the fur tort / t & larger fi li through a sm ller ne son lly re a d tts will red nine prop n s the at lonnal will n be s ise I m to ting in the n troluction I the lack g grade that I coff rim il artests o fr m the

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The other I well of the first its les sed byhmfri giving hat the first the state of the state g uphs fil m.

No 1 is for measuring the lateral motion at the ankle joint

No 2 is for measuring the flexion and extension of the font and also the position of the foot with regard to the leg anteroposteriorly

No 3 is for measuring the angulation of the Lines. elbow and wit and the carrying engle at the #odis No 4 is for measuring the circular movement

of the radius TAMES O WALLACE Thompson II B. A Useful Splint for Fracture of the Upper End of the Humerus Yackwest

Med 014 1 64 By Surg Gynec & Obst The author lescribes a f gure-4 splint which he has used in a number of fractures of the humerus near the shoulder. He mentions the fact that Scudder has described it but es he has not seen it used by other physicians he calls attention to the method In most fractures of the upper end of the humerus, the mall upper fragment is pulled out ward and forward and to get good approximat on the arm must be held in shduction with the show forward the abduction and forward position of the elbow can be changed to any desired angle. The sides of the enclosed part of the figure-4 need not be very lo g - to s mches for a child un to mches

for an adult. It is better to make the splint too small and pad it with cotton in the axilly lt is held in place by adhesive strips half way around the body et the nippla and the umbilicus, also around the arm end forearm. The whole is immobilized by a bandage through a spliat around the arm and foresrm, then sround the hody An X ray is shown of a case supposed to have been reduced with the arm at the side of the body but in reality the bone was not approximated at all It was then put up with the figure 4 split and an X ray taken which showed the f agmenta in apposition

C A 570 e

Lewischn R.: A New Esophagoscope A & O.d. Rh: at tr Laryngol 1914 xxun B By Surg Cymer & Ob-t

The author discribes a new ecophagoscope which is a c implicated rectangular instrument con sisting of a horizontal part which bes in the mouth and a telesc pre portion consisting of six tubes hich are released by means of a long spring and supplied with a series of lenses and mirr re for the purpose of light reflection by which the view obtained a inverted but not reversed to forceps have been devised to use thro gh the tube

Cite J PATTERSON

SURGERY OF THE HEAD AND NECK

NECK

Theisen C. F. Acute Thyroiditis as a Complication of Acute Tonsulitis. A Old Rivel Old Rand & Lan tel 0 4 xxu 1 By S nr Gymer & Ob-4

The euthor reports the historica of se en case in which acute non's pourative thyroiditis de loped in a previously healthy gland of normal size either during or directly following an ttack of ton

The acut and ton subs ded under teatment in about ten day but two cases after repeated acute att cks d loped a ll ma ked got and two

cases dev loped by perthyroidism

A study of the literature shows that simple thyroidst which runs its course without uppurs ting, is a rate disease and e primary acut inflam mation of the thyroid gland is so rare that if slimost never seen only the teen cases having bee reported LILE | I ATTENSOV

Hirschfeld L. nd Klinger R 1 Studies of Endemis Golter (Studien tiber den endemisch kropf) Mucken med 15 chasekr 014, kn 46 By Journal de Characte

periments on rate confirmed the The authors statistical residts published heretofore. The latter experiments like the former indicate a transmission of the virus by direct contact rether than through the water

Bruckeart, J: A Case of Sufficienting Goster Study of a Sectes of F Ity Operations for Goster (A propos due cas de spilir suffice i considérations uper d'une sén de 5 entrepaisons de geffre) A Sor letz de 18 mil 18 mil 19 (Journal de Chirogen 2017) 2018

The author presented a 3 ung man of 20 who had bee operated on for a goster that caused the most exir me dyspaces. Besides the enlargement of the lateral lobes there was retrosternal prolongation the size of a mend rin ore ge that compressed th This prolongation and the right lobe were tts bes enuclieted under local anasthesia. He left the hospital at the end of two w ks in escellent con

dit on

The author has operated on so cases of goster only 1 of them being in men Seven of them were true primary exophthalmic got with the classical symptoms besides some of the patients showed severe general ymptoms All recovered ad the pulse fell to 80 or 90 In a there was absolute and complet reco ery and on of the operations was seven years ago the three others resumed work an l were practically cured but a certain degree of exophthsimos persist d and some slight hiecti

S ch results - so thyroidectomies, 7 of them for exophihalmic goiter without a single death-sho thorough techniq e and judicious selection of cases Cases that show procound cachezia myocarditis,

albumoura, or diffuse ordina should not be oper ated on But sometimes even in sever cases of Ilasedow a disease the author lollows Aochera et plan of performing several auccesa e operationa, often with unhoped for results. Generally he operates only after the faulure of medical treatment but manifestly in would be useless to attempt med usell treatment sould be present of the congoter Operation Should be presented of ossero spoter Operation Should be presented of the low a disease and also when there are upon compression. If prefer local anaesthesis except in children and nervous patterios. He thinks except in children and nervous patterios. He thinks except cripalar eaucleation the quickest and knast danger ons method of operation. When it is necessary to remove the diseased lobe with its capsule as in enophthalme gouter he takes care to spare the posterior part of the expande thereby avoiding the recurrent larypaged and the parethyroids. The greatest care should be taken to avoid venous mental of the control operation in exophthalmic gouter he prefers hemiltyroider comy combined with resection of the upper half or exceptionally with lightness of the opposite blobe.

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Forr R E. Total Excesson of Claucia and First Rib for Malignan Disease S g G; Gr Ob 194, 24 56 By Sung G; see A Ob T. The patient a boy aged leven with negat c lamily history had a tumor of eight months duration. Three mooths after another surreon had

clusted away part. I the tumor it was submitted to Dr Latterer pathologist of landerbul University who reported gaint-cell osteoarcoma. The tumor rapidly reproduced itself and when seen on July

3 013 it was the size of an English walnut smooth hard and firmly attached to the inner third of the clavicle and first rib. A T shaped inc sioo was made from the steraum along the lower harder of the el ricle to the corecoid process of the scapula and from the upper portion of the te num to the upper border I the second rib n l the la ci disarticulated from the stera m and arsr nh Excision was are implished by working from within outward. The same method was followed in the ex ision of the rib which was by far the most difficult part f rhe procedure 1 padded retractor was used to hold p the easel Considerable d ficulty was enco at red to disarticulating the rib from it ert heal ttachment. This was accomplished by usen g blum sessors rate the articula tion half of the sternum was removed from its protection of the mediastioum and pleura as one of the most import at t ps practically all of the

mmed ate mortal ty being due to ofection

Th w nd was closed and a cigarette drais
nserted \ essel was ligated during the opera
tion and there was no isjury to the mediastinum or
pleura Recov rv was uninterrupted.

Zenza, D G Th Question of Pieural Reflexes (Zur Frag der ple rogenen Reflexe) Z straibl f Ch q 4 xli 37

By Zentralbi f d ges. Chir u. Grenzgeh
Ther two diam trically opposit theories to
explain th nervous ymptom biserved after opera

t one on the pleura that of pleural reflexes and that of air embolism is the arteries

The first theory is aupported by the fact that where an unperton of morphane is given before a puncture of the pleure there is no attack of general pasms with loss of consciousness and that if the spasms appear they immediately disappear after an uncetton of morphane Breuer has tred to show from his cases and suit opsies that such eases are caused by emboli originating in the pulmonary visit.

Zesas does not belters that Bremer's results almove the reflex theory but belteves they only show that cervous disturbances appear that may be due to arternal are mobol. He assumes that the nervous disturbances may be of different outputs, eaused by pleural reflexes as well as by arternal embol. Cha real and experimental results seem to micrate that real control of the pleural reflexes as well as by arternal embol. Cha real and experimental results seem to micrate the results of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleura should be preceded by an aspection of the pleural precedents.

TRACHEA AND LUNGS

Litenthal H Pulmonary Abscess and Bron chiectuses. A Surg Phila 914 hr 855 B) Surg Gynec & Ohal

The author bases his conclusions on the study of lourteen cases of non tuberculous auppur at on the long Fourteen operaturous were performed on le en pai enta One patient was not operated or Two patients were till under treatment. There were lour deaths and three actual cures. The conclusion are as follows

The differe rial diagnosia of true lung abscess and supp retive bronchiectasis is important

a Radiographie study of esch case is essential
3 Bronehoscopic examination is a valuable pro

3 Bronehoscopic examination is a valuable procedure and should not be omitted 5 D amage of a lung abscess by thoracotomy is likely to result a cure

5 Drainage of large infected bronchiectases may be followed by improvement but complete reco e y is unblely



In eni roptosi change in position had no marked fit to the di tributton of blood But a favorable if et on the enterontosi was hown by Glenard's mampulation or the ppl att n f an bduminal any notice ble effect. It i probable that the adaptation of the previous saidsted abdomnal vessels to the changed con ! !! locs n ! ! Le pla frac silerable time so th tiber alterman t If ct of w using a lander d w not become evid at until aft r the lapse of we ks o even month The f ch therapeutic me ur se ms to 1 provides the experiments include amptom in ente onto a tre e lly det d turbin cam cir u lion and there alt

I man C B and Bergt ld W II Amniotic Numbran lor th Pres nt on of Poat Opera ti Perstoneal Mhes ona n Prei min rs Not Ob1 941 5 g G 8 Of 1

used to prevent p t \mnotic m mb ne perst adhe tons thr whath dh priese t I and h be I roken up during th when the rm I gene w utl per 1 n M mhr. risuli in idh on ir selet lfr m halth tid dial washed third ghl run tig wat r mmered f tw t fu hou n c nt f rm ldrl v le selute n (wat rv) fr lih i n fritn IN O PL pur cnt l h l Wh ∝tith memi tthl th with the to the thint exth tert is a distribute to the light of the

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GASTRO-INTESTINAL TRACT Pau h t Doubl Gastric Sten a Tr pl Anaa

tomos Recu ence I Symptoma Irom Perti Ulcura G rectomy Reco ry (Double ste g rique - estomic en sabler i luode l net " dents j om

24 1 58 B Jours I de (h rurg

f hou gl sa atomach ⊸ed l s lso duok I t can II pa I rened igitr trost m a l g tro nt t my Ih rult was govif d the two peptie ulcrs k l'pel i the ope gs 1 stc 1 t on was perfern I and the la pock t f the

hour glass the gastro ast c anastomosis and the munal loop were react I only a part of the unner nouch was preserved a ! imi lanted in the jejunum The operation was casy and the resulta good

The author is more aid more convinced of the mefficacy of gastro enterestomy and av tematically employa stensive resect on -pot excision of the uleer but gastrectomy in e the simplest cases of ga the ulcer lie thu r moves the ulcer com pletely suppressing the zone of pept c glanda he ha no fear of recurrence of puntie ule rs. o late cancer our digeneratio dra nage is n ricct so that the lenct at aults are complete and he manent In conclusion he calls thention to the striking mptoma following lavage of the peritoneal eavity with oth r during a gastrectomy. I've minutes later the patient but me pale a d covered with solet potalike a con e Phough oxygen was en en this app r me lasted for four hours and he the ght the patient was never going to awaken At the en! I that time however her color became norm 1 nd h r.co cred

(t £) has only pr cticed gastre tomy four timen f r ul er but his perience confrms Pauchet s cì ston

OLE t also find Pau hels method advisable fromte ut r but doubt t appleability to all c ses of east ul r Aul us n followed on the a d t some of them f t l follo no the use of the t en at the pent cum All agre d in in t ag that the p rile um mu t be th roughly dned buf re losing the thel me

Delore Pept c blee after Gagtro-Entero turny (Likere pupt | DEL By Journal de Chiru ne 519 D lor perform 1 g to e to astomy in 19 a

n mn f jot i m fth pyl us His p tient hid a log pa od f complete health and f t nosis agai Radioscopy ile bwd sig how dthatth j al jx gw functi n gwell d that th t m h w n n lat d On ope a at n fthe [3] uawas I und and apept ut routh jy n m mm ! at ly below the ı im th uic I d px forat d and wa on rdh It w kersed It th first pept ul rth t th uth rh s foun! m g his i mt Ji la n t bel ve it was due to faulty i hnq w 1 pps el everal y ars after an per t that h lgt this ctory res ha for Il th keth t pepticul is only a lagt m cu re of th uk rous p oces

Giver n. ntl obser ed a jejunal peptie leer aft ga t m rost my It had ope at d on the p mant t years b f r with a Jaboulay button amustom s II the pe f med a cry extentive post for g tro ente ost my and sect d the pylorus wh h was aomewhat indu at ! I ve or re ; re lat he pat ent et ned, e mi laining of bur g sc satio th t was belied by sodium bar bon t etc tly be had had nt tinal hemor

rhages which easimination showed were due to a jejunal ulcer. He has not yet been operated on again

LERICIA in 1908 saw in uler of the opening after posterior gattro-enterationy with a butter of neoperation there was an enormous plaque all in temperation there was an enormous plaque all in alammation infiltrating the my code and retracting the opening. Patient recovered after synnostomy from early entered was not been recurrence and ally death. On autopy the gastropy and ut it was held but there was a large recent uleve of the leaser curvature. There are there's re neutrence the leaser curvature. There are there's re neutrence in spate of everything. These ule rasseem to be phonouroute in origin and in uch cassa farribe advance operation by donal root-sett in.

Descourries recently perst I on a patient who I had a gastro-entero assistments I ur years previously with a Jaboulay button. He had suffered a great d al. Descoutter found the anastomous redured to a thread but a stylet could be passed from the et much to the intestine. He cut this anastomous anastomous had no me a new anastomous anastomous he a new anastomous.

Branan reoperated on a patient on whom Delore had performed gastro-ent notomy with a button Ille fund the spening had con pietely-close! He has since given up if button and now makes his anatomoses with uture and clumps and has niver half a just suker.

ALLAST lettle es that anastomoce with the button may retract spontan ously. He has always used so the same of the lettle user or seen large of literature.

It Lasters.

Mullory W. J. Gastric Hypertony and G. tro-Enterostomy J. Im. M. 1 1 14 1 353 It up, 1 yeer & Obst.

The other ait mits in explain there uses in which there is a return 1 om ting usin in all their gastric symptoms f II wing the operat in of gistrosat no tomy by what i called g tric hypert my outstimulate viegus accura-

The stomach reces es its nerve supply from () the vagus with he on eyat nic and motor impoless (2) the sympathetic which is inhibitory and (3) the pleasures of Jureback and Meison r whith are

both motor and nhibitory

Eppinger and liess are quoted as d scribing a condition 1 xcs; vagus timulation as in crease of the mot r and sensor; but it in 5 th atomach coupled with other v gus ph nom a V ray reveals a email stoma h tightly contract d with occasional ant peristali waves

In this condition while at operat on the toma h is usually relaxed yet as soon a 10 begins t receive its usual timuli there follows a pay condition that contracts the new stoma and soon get errive return of the old symptoms \(^1\) ray examination during an attack sho is a out nated at much with no patiency to the new at in

This author recommends a close zamunati n in all gastric ulcer cases for th igns of got my They are (t) headycardis () disturbance of respiratory chythm (s) bron hual authma (4) dermography (5) urticaria, (6) "head zoves, (7) low blood pressure, (8) spastic constitution alter nating with dustrices. In cause showing these apparance a careful medicinal and hygenic line of treatment both before and after operation, should be instituted.

Fatture M Cluss.

Hartmann II: The Function of the Gastre-Enterostomy Opening, in Gases of Permeabl Pylorus. A Seg I bila 1914 in, 519 By bur Conc. & Obs.

Tun problems are incussed, and the runtur experiments performed by the author on dogs, to galber with Y ray? radings following gastro-cateros tomy are gavin. The first problem in he does not seen yet gavin. The first problem in he does not seen yet gavin and particles ploying? Although the year that it does not terrate is acc pited by Keling the seen which the problems is a seen of the problems are seen in the problems are seen in the problems and present unweight to adult that the austicinous thoroughly lined by mucous membrane and lire from sear its us should be one obliticated merely

herause of sta not use, forty his cases in which the "mouth" became oblitizated are mentioned. He concludes that oblit ration results nometions from the certainttion of a peptite ulter which has developed in the mouth. Oblitication of the anatomous is recitional in cases not perated on with a button or by

the 's method

On the other hand the int grity of the anastomosia has been anatomically accreaised in cases of optimis, to be functionless by frurk after 3 months frusch after 6 years by the anthor after 5 years.

Hutch after 6 years by the anihor after 5 years.

The second problem he the gastro-intestinal
snastomoses functionally welcas in cases of perme
about a remains patent it is useles.

Th facts do not agree absolutely with these conclusions. Legucu Delbet I ras, Gray Pelres, Ilar tel and He's have obsert of the gaster contents pass through the pylorus and through the gastro-

pass through the pylorus and through the gentuntest hal mouth
Hartman a caperim has show that exacustant
I interpally by the anastomous did a statested on the pylorie nature, and through the pylorus did to

interpolly by the anatomous it is a natural it is the pilorie anterna and through the pine natural in a situated on the lundus of the stonach. The different modes of execution In all an explanation in the fieren e in the force of muscular contractions in difference in the force of muscular contractions in difference in the force of muscular contractions in difference in the force of muscular contractions in the first parts of the atomic parts of the pilories muscular field in the first parts of the pilories and the pilories are in a second with the

Andrologic observations are accord with the Rathologic observations are accord with the Rathologic appropriate that the gasting anthologic appropriate that the gasting interestinal month may work here there as a pation interestinal month may work here there as a pation in proper consistency of the prope

Dounca, W. A.r. P. harie Obstruction in Infant a Report of Twenty-Two Personal Cases with Department J. as J. Lin, 20 p. Lin, 20 p. Operation J. as J. D. Surf. Cyner. & Obst.

The author reports a cases of a unlants in which surpeal tree

out There were eight deaths three of which were not due to the operation

From a study of these cases the author submits

s Ilypertrophic pylonic stenous is rongenital to the estent that there is an increase in the thickness of the circular muscle-fibers at the pylorus. The presence of this thickened muscle fiber reduces the lumen of the pylorus and therefore the stomach in order to empty itself contracts more forcibly than normal This abnormal contraction soon causes the murous membrane to become thickened and ordem atous and assume a more or less paral arrangement as it passes through the carrowe I pyloric channel of from & to 3 inch The tesult is a alcular action which gradually I roduces complete closure of the pylorus The question as to whether or out the pylorus will admit a probe or catheter at operation or necropsy a of little consequence when waghed against the clinical e adence of complete obstruction 2 That there is sufficient time het ween the onset of symptoms and the appearance of the agas of complete batruction for careful bacryation and the c graing out of any medical measure. I kely to prove of benefit there so be no doubt provided f course that the arly symptoms have been proper ly interpreted. The far how to the the conde tion may he e existed long r than has bee sus preted and that the tabty of th b by a not so good as appearances would ignify uses the uthor to feel that operation is dicated a e cry case of hypertrophic ste usus a soon a th diagnosis is made Should depression r arts ev 1 ce of

hock be present immediate pe at o i demanded
The babwa coming to operation in good ondition suffer little or no lock the contalest occus
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liolt L. E. Medical Versu Surgical Freshm ne ol Pylorie Stenosis in Inf ney J tm 1f Ass 9 4 km 20 4 By Surg Cypec & Ob c

The paper is based th t dy of 7 ases of î t pyl ne b tructio n The symptoms diagnosis and tre t t ducused The most ch act in the mpt in a projectile mixing u ll or m g when the age of the hald is file to see in wells ld lers tent in t g d ring the irst f w 1 ys after birth is not often due to pyl no te osu. Th diagnosi c usually be made from the ympt m tology I ne B sides visible gastric the m at aluabl of mation can b btained from meas ring the tomach contents a f w hours after 1 gest a fa known amount of non co gul bl food buch info mation is more v luable th n that gained from ro tg n ray study after a bismuth meal

The thor beheves the generally necepted classa faction f these cases with the hypertrophe and spastic types is unwarranted and misleading in that probably all have similar pathology. He thinks it bett it to divide them nto mild and severe

The advantages and dusadvantage of following either the rote bead or suppeal methods of treatment are ducusued in detail The author believes that the pathological condition responsible for the 3-imptons that for the control of the three cases in which it seems reasonable that it mechanical treatment will not serve to keep the patient in fair nutrition until the condition is reheved. The subjections if coperation are (1) to dismittion in the constitution of gastine promission by a tomach washing and that (7) is actually loss of the control o

The nuther minimizes the importance 1 a palpable tumor both as a hignostic sign and as an and cation f r peration Bassyv Brook

Quénu E and Con tantint II: Indications f r Resection of the Intesting in the Radical Treatment of Certain Hernias) files ind tions de la résection intestinale dans la ure radic le d certain hern ri) Rei d e q l la q By Journal de Cheurg

The athors discuss rose too of the intestin, in the radacal tractioned of certain hermans who there are no complication, and especially no strangula control of the strangular control of the strangular dust rose are and therefore on the still discuss to the strangular control of the still discussion of the strangular control of the still discussion of the strangular control of the still discussion of the course of firtung in m m y bs a theatons for no course of firtung in m m y bs a theatons for no fall of the still discussion of the still discussion of the pulled and as all though of a strangular certain of

The authors report cases—three I them their own—with only one de th. They express a se pitter in as to the front one of adhe tons which would be rprising were it torith fact that the adhes o a

rprising were it to rish fact that the adhes of a mix ciber, cass were mismantory in nature did cult to treat in any there way. In contrast with their nuit formats the ventrations they cite the accords to observed in certain conservative operation such as teven all occlusion and a treatment of the contrast to the con

Bartiete W. A Clamp Int uded to Facilitata tha Suture-Anastomoda ul Hollow Viscera S & Guec & Obl 9 4 ul 150 By Surg Gynec & Obst

By Surg Gyner & Obst
The autho hold that in stemach and ntestinal
surgery n mak og n anastomosis operet is require

surgery n mak og n anastomosis operet is require the a d of an in trument to hold the viscer (xed in position to prevent escape of the contents ind to prod ce hemo tass Her the of the loss hasteges of the net run entater net, but and gray the 1 is a few utrue
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tumm re, J 1 Suggestions R sarding the that 19 I and the Surgical Technique in the Treatment of Jonneson's Viewbran I 1 I I I I 9 4 I 848

₹6.₹

The iliness started while the child wa out walking It became pee ish unitable and later comited its supper Two day later it was found to be uffering with an acute abdominal pain some distention and nar comiting The temperature wa o and the pulse from 2 ro to 130 The next day the con lition were about the same except that there was a great increase a the abdominal tendernes and pain but the was no sign of localizat on of the inflamm 1 on The next day the el ld wa found n a st te of collapse with lmo t per tent comiting of h le and dirk I guid of a facul nature. There w s more abdominal d tre- f great distent on Intest nal obstruction w the bagnosi then mad and the

child was operat d upon The ppe d w found t be tels nilamed ers much enlarged and perfor t 1 1 gun r 1 perit n t wi bo prese i The child improved foll wang the oper to n b t the ob tructo n wa not entt ly reli ed It op at dupon agsin an m rostom b ng perl med It hed I bout thre w he when t ted of gene 1 sep is White pendicti wa on I red the case two not and tuffe the import nt

Th author th n ! L up th freq enc 1 mp tm nthig tim a fd grow fth nd tion. This gon then up notet land as 1 th 1 ll was nont

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Frankenburger J M Hyperplastic Tuberculosis of the Col 1 to 1 out 1 he title (

B Sur t ne & Ob 9 4 J the thella he the furm of ther lost I Iff re trom oth r f m f t t al l th 1 ber los m h to t me ble t ope t tf it gene il a loc i nd primar I son ndi h ri rizell ile fo m ton of t mor m set my a lof abrou and tuberculou granu lunts the ! Ith bow I les als

there is no involvement of the murou membr c but on account of the narrowing of the gut the irritation caused by the passage of fact, n y produce piceration

The symptoms are slight const pat un an I har rhoes som times alternating. Lat r the symptoms are those of gradually merea ing intest nal b true tion The differential drignes us b tween arcoma care oma gyphili and chronic appendiciti with dhes on

The treatment a purely surgee 1 If possible the entire growth should be remo ed but fail in th a h ri circuit ne operation should l performe l to these the ob truction

Two ca a are report d with suit wful exerction

Hirsel man L J The Pathologic S amo d Colon and it Surgery I im I rocted Sec At I t Is bur t ne & Obst (t g 4 Ju

Studies with the 1 roscope and the gm ido we put he hown the true prolapse diminging f th s gmoud olon nto the r tum s not an une um a cond tion The auth is water hort ening to me ent re of the igmo 11 pitach ng tho nescale ; of the suggest 1 rer 1 psed portion the act of the must ref the 1 enig ſn

mir f scolobiut tin mml if atton il betr con will be fund n nom n who grean to i fund our peum Rud grajht study of the city to who gillog hete tehen obstpit a ipaned by I m nd m Led t nl win the lit l wer b I malq drant dith ren of the winds to dear the left has the n n of allu n wh ha gul te lillet or n ol es the lie tng of the lh st and the nh. nur of ware nt i pul

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median line Fifth it takes the colosionty opening away from the neighborhood of the fine creats, and allows better fitting of retention apparatus and colosiony shields. Suth control of a median colostomy is as satisfactory as the lateral.

The author has found no difficulty in securing colostomy control by using a small rubher eathers in the miscotene opening beneath the spur and encircling the upper limb of the colustomy with this catheter drawing; it just song enough that the wincons sortices are in apposition. The eathers is held in this position by a scraphine surp and is a single patient when he sinke to defectate or enough fluid.

Viartin C F Retrorectal Infections. I Am Poctol Soc Atlantic City, 914, June By Surg Gynec & Obst

Martio reviews the histories of sixty-seven case. In addition to the infection of the retrorical space many of the cases also had isvolved the pelviretal and ischiorectal spaces. Some of the more chronic cases were comprisented with stricture of the rectum and multiple fataliz.

and multiple states of the infections occurred to males External traomatism was not a factor sa this series of cases. The author holds that most of these infections originate from internal traumatism associated with some condution which lowers the

resistance of the individual to pyogenic infection.
Fulmonary tuberculosis appears to be the most constnot factor in lowering the resistance. Tw. aty one per tent died from tuberculosis at varying pers.

ods either after examination of operation Forty the e per cent of the cases are not d as having pulmonary tuherculosis

Of the 53 cases operated upon 13 were cured These present to per cent of the operative cases or nearly 50 per cent of the total number examined

In nearly half of the cases the origin f abscesses had opened posteriorly either between the aphineters or at the anorestal line. Pain was not a prome ent.

The methods of incision applicable to the various complicating on dion are briefly outlined. The unithor laya great atreas pon the sensitionness of these infections and pos the accessity of the prolo ged watchful office treatm in

While the prognos to both complete recory of the local condition of the gen ral health as well as to the preservation of the spluncter control should be guarded careful after treatment and proportion of these re lly senous ease

Thorhecke W Fastilial Occurrence of Intestinal Polyps (ther das familiare A fireten von Darmoloypen) Deut che 21 ch. f. Ch. 9 4 car.
533 By Zentralbi. f d ges Chr. u. Gresageb
The author reports three cases n a hid to father and the lather broth r I about 50 per

cent of the cases of polypa there as carmomatous one degeneration. The proportion of polyposa use man and women as 100 fg. 3s per cent occur before a, the test alter that age. Folyposa with earctaons as take as frequent in mee as in women. The large missaines are most frequently affected especially the rectum. The disease generally appears in carry childhood which together with its occurring in different members of the same family seems to in-ductate a congenital predignostical pre

The known theories as to the ongs of polyge and the development of carterions in them is due cussed. In the begloning there are symptoms of catarrh of the farge intension the atoms, sooner or later are mused with blood and mucus. The duar there and panull tensums usue gradual enactarbars and panull tensums usue gradual enactarbars and the state of the st

Exact chargassis is made by digital examination. Little is to be expected from freatment. Impation with startagents curefuge of the polyna, the formation of an artificial must and extragation of the rectum do not give astudactory results. The latter is to be recommended only in carcinomatous degeneration. The chief stress is to be found on about of outside the control of the con

Hill T C Anal and Rectal Growths of Begign or Doubtful Character Basin H & S J 19 4 clar 977 B) Surg 1 year & Olat

The uthor calls attention to the small number of ben ga rect 1 growths 40 of these as compared with 76 malignant tumors 10 his series of 3,000

rectal cases

The chief sot real in rectal tumors first in the
difficulty of diagnosis. Since the two step oper tion
whereby a piece of tumo is faint removed fir mit
croccopie exam ation and radical operation per
formed late. If the tumo proves maligna is
not recommended an exact diagnosis is easent I

In ome regions of the body where some mutition or shight delearnty need only be considered the removal of a growth of doubtful nature may be natter of small mport. This is often true with respect to minimally tumors and distinsting artered presentation in the h rids of competent our groun, are done on being it can be the same of a rect I tumor may result in defo mity also but what as much more import in the remay be serious im parament of function bandsher reason go on lot accurate dispensation and the reason go on lot accurate dispensation for the result of the proting of the results of the results of the returnation of the relation of the returnation of th

Different cases ar described which presented conditions hable to be mistaken for malignancy I Bland internal fist he associated with irregular

induration occasionally I und along their tre ks may very closely resemble car moma

s inflammators tistular in yphilitic patients often present difficulties in diagnosis. Whether say hiles has any thing to do with their production is not known but the employment of antisyph.Line treatment synchronously with operative measures is usually necessary for the cure of such fistular

Most of the benign rectal tumors are adenomata or glandular polyps They are mostly loard in children and are the causes of repeated ham orrhages They may also be found in adulta and here they exhibit a tendency to undergo cares nomatous degeneration. In both instances their removal is imperative The technique which is simple as described

4 Myoma of the rectum has been observed in the author a practice The diagnosis of this pathological currouty could only be made from a

section

Multiple attenomata are occasionally ret These are lound higher up than the sone with of ordinary or urrence of single growths and the ramining finger can olten detect two or more. associated with them is a hi tiry of distribute and mucous disch ree This ; a rare and serious con dition seldom seen in general practice. It is best treated by the establishment of a carcostomy or sleestomy followed by irrigations Colectomy is not

recommended General anasthesia recommended in the examination as the character of a tumor is charged alt the relaxatio produce I by the anasthesia. (C Arcure

erich W. Acet nal Suppositories in the Freatment of Procett (1 etomispiches les Jungerich W Prokutabehandi g) Berl M II katel-9 4 b 356

By Zentralbi I d ges Char 1 Grenzgeh.

The author discusses the modern treatment of procests Instead of the moss treatment with disinfecting and astringent aubstances he now uses a dry insuffiction of powder and has tre ted several cases auccessfully with acetonal suppos tories. This preparation contains a per cent aluminum acetate as an a t ve dist fectant and astringent and o per cent aceton chloroform salicylic ester treatment consists in regulating the stools thro gh diet an hathain the evening small enemata foil, morning and evening and then application of the This has the advantage over the uppository moist treatm at that I can be carried out by the nationt himself without his work being interrupted

Males, W. E. Two Cases of Total Excision for Complete Procidentia of the Rectum Proc Roy Soc Med 9 4 u Sect Process 47 B Surg Gynec. & Obst.

The fi at case was that of a lemale domestic who had auffered from prolapse of the rectum for seventeen years She had unde gone an operation for the procidentis seventeen years ago and a second

operation the r years later both of which were un sacraf During straining and with every motion of the le es he rectum protrude i fo the extent of meet When the profrusion was reduced ther THE a Camer marro ing of the lumen of the beset, at a real corresponding to the apex of the procedure was the bond was prutruded. The and was rate a d there was marked alony of

the sermon

The and total eartifor was performed a.er _ i e we t made a complete and unin terr ped - ery racert fur recurrent hamorrhane fr m = any a the netoraginal septum. She THEORET - -- C TOL

The w -- , ment had had an operation seven a sed by neurine of the prolator The want a wal externation effected a cute The t was are allu traine of the failure of

a ats -- peratun to effect a eute in comf & e processed de tettum. In both cases the agex of two per and a cutresponded to the section menda-Fig. 2. therefore the who e of the recrum - the external layer of the procuents In cost cases a feminaral bone, encloses a co s es times entite entited. At the epe a a th eme tet mit ather with a corr wormen bergih ed the set we to on about rine 1 ches in in was removed, and the pr minal end of the gar of coon was somered to the skin of the anus. The ext real

fencier a I levator ani muscles has be n se't la Le a. her's expenience with a even eases to eretaura a a sale procedure as all ce has case s cone - lie states that in cases of compre Mrs etta, before the protection is the commy The to contain an anterior per creat prohad tace and results from an overa 1 per ence metal wall had been were , seed to the a error surface of the sacram. He mades to La symme, the latter method to an apparatus carse of the antenot better and better a men terit brognes biotimios a exc. A

The operation of recrusery as talking the was considered by the author is and it the operation of total exercises days mil

C.C INE "

LIVER, PANCRELS, AND SPACES

Mendie, A. Modern Surgical Treatment of M. Supporting the Suried Trestment of Line (Trustment Landed arthring of P Deller in a paperes de . Ey 144 -213 2-1

The method of chance in the populating pleased clark & and by constant of the state of the There of the Cyst and a series The author reports 1-1 cars. Jen 11 24 produce he mortisgs and second

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In these in case the e nash along by fort int on on ta stag (o an a sulle erifa to montes at (he only contra a heatrons at if the to at the

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rat the av if ruj il sation i uld be perform I nie in y to the ar just ling o t tally the fe externate nonly in not the at y is at to be ount of hemorrhige at d lenk gt it the It the to a wil ni suture this ar aft t l pe time il these or that this sufit is stenik twitten iti A int A lu roth meha, at ul Redu to n as ful nilt statu in the due tiat it i wit i I | en ful ant nie melem In a letette

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e reponing in nial uture persible there must be 4 tory free incise n prentil s increon is lest Lt V call lattent; ntu the! et that ibe ope a I f bould be on the Au I the patient the patient bould be tu t d toward the left by the lateral tachnation of the t ble and ly a cu bion as de the I main gon Il a position of the patient was recomm needly Rolle neoinhathe is a dis as thy oil an d by means of an at pleasure which he in tax

Cibbon J Us The Treat nent of Gall Bladder Injection t with R port of Tw nty-six Recent Lases J Ist M Us 19 4 Jun, No.

By to I me & land

Ib author constrates i atmost cope att ne el e n e su sall bistiler ini tun and re mal me fibe p th leg al sor il beginns hich a se spenther u beit n an unle led To at an Are per unclased by lut are not up in the

if the light of gall blad niction is war rated and just anal hubblead selu ko th te u u ne lunt tont a in liati n Th 113 I me he n tre im tot h poet a ton at prong is all mout The longer pases at delay of the acretic at ic mill thom are no such a like fit of the color of the mills

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tea full it y al ind a nates measure are at alto hagnon to it il id et l ton The I at trait o t seas I luli alinen lich at naht aniwith threact tangle in The coupl I thin i we the the. guft allt min ir i lle th me ma

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The author furth r states that in u mplic ted cases the cal s no greater than a the rduars abdomnal case lost operati e id ed ug c n u

abbrevious test sourcepeant em est agent le ly be tentrolled by horse arma and the congulation time hould all as he observed. He conclude by staining that some re not like horse form in the has be complet by eem ed-and the full passages thoroughly desired period of at least t n cis, cept in , ry rare or Derry M. Cutal.

36,

common dact opens was transplanted into the colon the papilla also being transplanted

The technique of the operation is described. Of three dogs on whom the operation was performed two died as a result of technical errors in the opera tion and one heed He thinks that this trans plantation of the ampulla marks a great advance in experimental surgery. In the previous anasto moses between the gall bladder and the stomach or intestine the excretion of bile was disturbed since the bile must be discharged according to purely mechanical laws while the physiological impulse to the secretion of bile effect of allumoses hydrochloric acid etc was done nway with By the transplantation of a piece of the duodenal nall containing the common duct and the ampulla, the physiological impulse was presented and the discharge of the bule simply transferred to a different part of the intestine. This also lessened the da ger of infection of the bile passages as the sphincter of the common duct nas preserved Ustag Dears

Deater J B and Pleisser D B.: Chronic Pancrea titis. A S & Phila 424 for \$4 By burg Gonec & Obst

Compl to removal of the pancreas is homicidal partial excision is difficult and but early indicated and direct drainage can be accomplished only in very imperfect fashion at best

Difficulties in decling with chronic pancreating are increased by the fact that no definite laboratory test nor syndrome of signs and symptoms identify it. Hope her in prompt action in early lessons to prevent development of dam ge to the parenchyma of an expental organ which can never be retained as

Several facts have been established (f) A considerable number of pacersate inflammations are associated with and are secondary to adammatory leasans of the almontary tract particularly leasans of the almontary tract particularly lead bladder and disolenum (a) The head in more often involved than the body and tail of the pancers. This is probably due to the close association of the lymphatics of the gill bladder lever and disolenum with those of the head of the pancross. Deaver and Pfeller have shown that pancreate to election overaponds with lymphatic distribution and not with the distribution of the duct of the pancross.

Pancreatic lymphangiis occurs with cholecytitis, with or without stone. The effect of the knowledge of lymphatic dissensation of infections has dissimated the author a fault in sample dramage of the gall bladder or ducts. Becurrosca are more common after dramage for sample cholecy attus than calculus disease of gall bladder or ducts. We have come to believe that the field of chole-

We have come to believe that the the to concystectomy abould be widened and that all gail bladders should b removed that abow evidence of chronic infection, independent i obstruction, and particularly so if the pancreas is involved. Drain age of the common duct abould never be omitted as connection with cholecystectomy. Imposs Cours Walter-Sailis, J Non Billary Pancreatitis (Les pancreatites non bibaires) Res. de hir 19 4, xix, 446. By Journal de Chicurne

lon-biliary pancreatitis is rarer than the biliary form. Walter Sallia has collected 50 cases among 250 cases of pancreatitis or 20 per cent 34 were women and 16 men and it was found at all ares from 3 to \$3 years. The hacteriology is variable it may be caused by typhoid malaria measles, scarlet fever preumonia of mumps Pregnancy is an important etiological factor. Traumatism annular pancreas and upernumerary pancreas may be responsible Infection may be through the blood or is mph stream or may ascend through the duct There is a local reaction of the pancreatic tissue which may be perilohular intralohular of across In the interlobular form the islands of Langerhaus may be spared but in the intralobular sclerous the internal accretion of the papereas is affected and pancreatic diabetes results. The development is slow and insidious There is a mild diffuse pain with n feeling of fullness and weight and occasionally a crists of epigastrie pain a or 3 hours after a meal A crists of pain may mark the beginning of the pancreatitis Fever nausca and vomiting accompany the attack which is followed by fat gue and prostration. The appetite decreases and the attacks gradually come closer together sometimes there is distention of the epigastrum and tension of the muscles of the abdomen and sometimes there is a t ansverse tumor immovable and not clearly defined The disease becomes progressively norse and death takes place from profound cachesta. Second ary pancreatitis may follow an niter of the stomath or duodenum In non-bibary pancreatitis the pancreas Leeps its normal volume and is not so hard as in biliary pancreatif a totrapancreat c ademits is rare digestive troubles are much less frequent but acterus sa rare Sometimes there is d'arrhoes and haemophilia Pancreatic insuff ciency may be dem onstrated by examination of the urine and feces. It may affect the gall passages and heer secondarily

Cancer sometimes complicates chronic pancreativis. The treatment is surprail. Exploratory cubic omy is sometimes andicient to cure e ity cases (faces with its Free nes). Retropancreate dramaghas some first it may be combined with pair-critictomy in case of airs quistion of the common bise-duct. There are many objections to partial princreate/cipony and natient chiedlecholomy (instrue enterostemy is indicated annuals panarcas. J Otnacare.

Stassoff B. Surgery of Stab Wounds of the Spisen, with Special Reference to Transplantation of Omentum (Bett ge ur Churupte der Missucherleitungen unter besodert Besuchschlugung der golateten N transplant top) Bes M Chir g 4 kenn 6 r By Journal de Churupte

The anthor reports 9 cases of stab wounds of the spiren observed from 901 to 1913 and discusses such injuries in general. Solitary stab wounds of the splece are rare in the great majority of cases they take place through the thorax rarely through the aldomen and the pleura and disphragm are usually injured. The splece is most frequently in juried when the caternal wound is in the region of the eighth moth or lenth intercostid areas.

The dagnoss w difficult because the general as noff as the focal symptoms may be caused by an puter so of other abdominal organs and by the muses to the jean adapting and even long that irequently accompany them The prognosis in operative treatment is good the mortality being 18 5 per cent when there are also injuries of the please and disphragm but not of other abdominal organs. It is unfavorable in conservative treat meet The most frequent treatment is souther

thin tamponing, and lastly splemectomy In stab wound of the spleen as a small ruptures of the spleen the author recommends a combination fauture with transplantation of ome turn by Loes wa m thod which cave good results to three of his nine cases Tamponade is not so good on account of the impossibility of completely closing the wound and the danger of injection of the fistula and of secondary hamorrhage. There are three possible methods of operation for injuries of the spleen lapatotomy thoraculaparotomy that is thoracotomy and laparotomy and transpleural Transpleural faparotomy is the usual method as it is simply a continuation of the eater nal wound In muries from in front or where there are aymptoms of intra abdominal hamorrhage or there is a suspicion of injury to other organs of the left by pochondrium thoracolanarotomy ab uld be performed with Zeidler Kriphoff's toession which consists of section of the eighth minth and tenth costal cartilages incision of the diaphraem and a continuation downward along the external border of the left rectus muscle It is to be preferred to others because it is quicker and easier to make and gives such a large field for operation Olistica

SURGLRY OF THE EXTREMITIES

DISEASES OF THE BONES JOINTS, MUSCLES, TENDONS. CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Chalaby F : Primary Osteomy lit of the P tella (Lostomy lit | nm | d | la rot |) The d det Toulouse o 1 By I urnal de Ch rorg

The author discribes a case of chronic osteomyeli its of the pat ill and histoliz and sequestra shows by radiography. He reviews a cases I this rare disease which is generally observed between the ages of 7 and to in the male was Traumati m I tigus nd col f are continuing causes—buc rail asson I the nat ill a the minduces—the rail asson.

Of the second proposed and the

The 1 sympt ms own n to the liferent form remailerm in 1 the ant nor rems of the kes pa los lized 1 one post a the pattlla at griy of the knee jost 1 and the posts n of the low 1 mb in a tension

The ar two mplicato possible one a p pri prinstitutio of the kine is comparate ly lenge the oth r pyarthrite is v ry severe in the 1 l m the bagnosis cas o ly when there re no intra or eatra atticular complications. Differential liagnous must be made from purulent ribnius of the knee coteomychus of the l wer and of the femur and isometimes from acute rheumatic arthmis. If there are abscesses or fistular it may be diff cult to make a listuit ion from permathritis, and acute of suppurative hyproma expecially a three two affections may see us with it

The chronic forms must be distinguished from titus caused by syphilis tuberculosis or pototri chosis ra liography will be of great value in this disences.

The only curalt tradifficat is to attifficate the financial form in the partial of rms simple curel the of the lot of uppuration my stuff en the total form the past list about the transcaled particularly by Du umga method. Latly mobilization of massage, as en in parable up planents to surprad tree timent. The results respond bett to course make obtained currentage b tastist closy abowith a gird full netion in a seed total removal of the house.

Wetchire C. R. Sacro-Illae Traum (tams, borth in all red 94 55 B5 ft (ync 4 Choi. The a ro-llast jounts are true jounts, but have been tittl understood nutl nor mit, and the uth r hauses junes of the sej nut mb. Thore is a there exist nature description. The m 3 me are lassed else () werner or 12 me (2) true lux 1000 (4) relaxation or losse we

Injunes 1 the next type are caused by shight bl. ws. y that or I lis. The pa which come on cut by its lot ted o the lack and I frequently called lumbing o M em its the back are decidedly him ted and the pan I in I to M I wo the thigh

and leg. This trouble has long been mistaken for sciatica. Adhesive strapping of the hack will afford reli I and effect a cure in a few wieks.

True luxation is rare and is only caused by deuld force. The accompanying pain is most severe the patient heing completely intapactiated movemants of the trunk belomen and thighs being afmost implessible. In the examination, Y ary is of much value rectal examination is also of great aid.

In the greatest number of secre-line names the points at related and loose. They are also tee opinised less often since they stelless scate and the symptoms are more lasting. They are also more difficult to treat. The patternis have such locks at ma a longest position stand as leavily as at many the patternis afrom a citing positive of the present as from a citing positive of the standard as leavily of the collection of the present as from a citing positive of the standard as leaving the collection of the standard as leaving the

runaer of abdominal ptous

Post-operative backache is due to a sagging of the sacrum wh le the museles are relased the ligaments thus becoming stratched. The ramedy is support under the hollow of the back bef re and after aperation Long continue | positions | sitting standing stooping to result is strain il gaments. and lowened joints follow. The diagnosis is a follows The normal lumbur curs is flatt ned the upper end of the sacrum is prominent pain is al ways present at the joint ur de it it There is pain I wa the course of the scatte nine lue to pressure on sa ral | lexus which crosses in front of the joints pressure al ng the nerve is paraless. In luxations a step-off is felt at the joint by means of tectal examination Mounte with the less and thighs Mraight is painful Flexion of the thigh with the fee extended e uses pain Sciatica and lumbago ha e so I ng beet the diagnosis and naticals have uff red so much best bring t take quantities of mediciae that all shoul I famil tarize themselves with these ambtions

The progrous in sort penns is good some fine chron ratia direct is saf retained for a long time. Diagonal adhesise irragings across the sacrum from use like or at to the penns are used butted, the try ps neaf read by circular traps, is one of this be it mans to hold the push quest Bitts made of a bhang sometimes pr or left will some care must be trateful with the playing particular cares must be trateful with the playing particular cares must be trateful with the playing particular cares must be manp lated lack and possible procedure as most times tregumd of song about askylous of the joint is order to aff in primarical civil.

Menne: The Light and Irradiation Treatment of Surgical Tuberculosis (U L in a Varahen beh sell of the rumsche Therkelses) but f phys hal Med wed Trek & 9.4 7 B) Zentzalls if des Chu u Grazgela

there a short review of ur kno fedge of and the theories in regard to the fic to a sualight and the reactions produced by it a the right is in the author pomia out that the results of heloikersy in surgest therefore, are excited to sent in the brahamat at moderate altitudes, and recommends, as a supplement artificial high altitude usual phi and the car bon art light. Routge i treatment allow in made more difficult by discreasingation of the sha by anemia, which is the surgestion of the sha by anemia, by certificially discreasing the discrete flows in the product of the shall be a surgestion by certificially discrete flows and the surgestion of the shall be a shall be a surgestion of the shall be a surgestion of

Chlumsky V: Treatm at of Surgical Tuberculosis and Infected Woulada with Meshe if they Meshethelphanding her hungspier T berkulos as i i i fauri a W ad a) / wirdli f Chr old a light My demandial Lid get Chr of Grangeb

The author of sites the conclusions of Valpus in regard to Veshed as h does not think his presented in regard to Veshed as the does not think his presented in the property of the property of

lin y Trestment of Tubercular Cysthis by Injection of Lactic Bacilli (Transment des tysies es t in ricese par les ages or des bacilles lut teques) Ball et min Sa. de lut de l'ev 1013 di 655.

Maniov repuris the re oils which the tre in it has ge n in his serair a the hands of his 1 in the hand had had had had a distributing the oject son of cultures of Bulgaria barthi in skipmed to he in the place oil Letti and the theirspecture action of which on certain forms of enternal tuberfulous in 11 had no.

Vaza) technique i as loft a Bulgaran lucifi furmish I by its 1 a la fastitut ne implanted is rubus f milk stichlared vi Theo: tubus are left in the inc bastor 2 hours at 17 I and 75 cm all fithis preparation were inject of a each pulsant the injections being repe ted three t one par week.

In he case of tuberculor cy i us in which this trainment was well there us an m' at a mprov ment all the symptoms uses when the pai ents rid had tubercular is lory. I now patie t in result may be considered a rec. I charons n that the flect of the tagiction of ha dit is t prolong the act on of the lactic said formed for assumant on

of the urine some day a after the forections showed

that bacille were still present Hypertrophic Pulmonary Osteo-G Impue A Arthropathy - Marie a Disease Ld b M J

By S rg Gynec & Obst 1914 XII, 557

The author repo is this case because it is rare to find it in so young a patient

A boy o years old had had when 16 months of age a toe amputated at the met tarsal phalangeal joint for disease at years had an exci ion of the right knee for tuberculosis developed a marked dorsaf kyphosas shortly afterward and at 7 years had swellings of the wrist and fingers, and a little later swellings of th ankle and toes

He describes o hard bony awelling beginning at the lower third of the radius and ulna increasing toward the wrist a thickening of metacarpal bones a marked clubbing of the terminal phalanges of the hands which was confined to the soft tissues and long curved mails The loaer extremities should

simil r symptoms

He gives the theories of Mane and Bambergee as to the causation of the disease and the fieding of Thorburo and Alexander of analyzed cases and co cludes by saying that hype trophic p Imonary oster-arthropathy is to be f und frequently associat ed with diseases to which there is pus formation or breaking down of tissues with the retection of the seer ton and it would appear as if the condition a as produced by a chrome toxamia usu ily bact real but occasionally that of altered body metabolism JAMES O IL CLAC

Wolkewitzeh W. M. Spontaneous Gangrene of the Lower Erremity and Its Relation to Sciencials of the Vessels (Z. Frag. d. pontaneo Cangran der unt ren Eutremathen und here Brich og u. C. opkleroor) Phil tr. d. o. 4 B) Zentralbi I d ges Chir u Grenzgeb

The author reviews n condensed form the conlents of his doct s disse tation and ties t dem onstrate by means of 45 cases 45 of which he gave detailed pathological anatomical examin tion that the emboli thrombi and t ssue proliferations that cause spo taneous gangrene find a favorable soil seleros s of the casels. The prepunder nee of

spo taneou g great n the low reatrematics is splained by the mor u f orable mechanical nditums for the seels of the log as under the press 1 of blood column Imost equal to the length I the man the re also ompressed and at aded by the that d tension I the knee which makes great dema do on thei efasticity

The place of choic for occlu ion of the essels is t the bifurcation of the pophi al for here two vessel of qual size the post nor t bisl and th peroneal d de 1 an ac te angi wh h forms a rest d rectly n th middle I the blood stream The solid particles h as blood-celfs clot of about and lumps of he term are carned to the cent 1 of the stre m they rebound from his crest

and may injure the walf of the vessel Thi easily leads to sclerosis, which to turo causes occlusion of the esset either from thrombus formation or from proliferation of connective tissue The occurrence of gangrene depends on how soon complete occlusion takes place and whether collateral blood passages have been established

Lapo nte A. Rupture of the Articular Portion of the Long Tendon of the Biceps (Runture du tendon da long hiceps hrachial dans sa portion riicu laire) B il ci mém Soc de ch de P 1914 | 630 By J urnal de Chirurgie

Lapointe observed this fesion in a workman of 34 who had made a vsolunt effort to hold a sack of cement we ghing 50 kg which he was carrying on his head. He feft a sudden severe pain in the upper part of his fest arm and could not continue his wo L After that he had had persistent pain in the arm and shoulder increased by any movement especially fleaton of the forearm and a derrease in muscular power which made it impossible f i him to work Regular massage did oot bring about in improve ment The arm was clongated and on comparison with the left arm the e was seen to be a projection of the external part of the b caps and it was loa ared ton rd the elbow The difference was about sem Between this proj ction and the lower part of the delt d there was a abnormal depression On flexio the intern f part of the biceps contracted but the eaternal part projected till more \ disgnosis was made f rupture f the long trodon of the This diagnosis biceps at its union with the muscle was co firmed by operation which should that the runture was tit a articular Lapointe did oot think it necessary to open the ; int to find the proxi mal end Miter ha mg shortened the distal end a fea centimeters he hard it with four to a chromic atgut suture to the dges of a bittle capsular lut tonbole betare the two tubens ties licaling was hy first intention be months after the ope atto the bureps in small as to position furm nd trength. The patient is performing his work agam

I t a articul rupture of the long tendon of the ly frequ t though it has ittacted becers is relat bitle att ni o Uf 3 aves of rupture colle ted from the lit ratus 11 w re int a articular aces the rupture was I cated by antenor fixal on ne r the art ulatum nd aff except one case th result were cated nors. One it resting point is the relatio fruptu et dry arthritisof the shoulder joint Leids how thinks the arthrit a is the ause of the rupt re n asceth t are pparently traumat ic the t n lon has alt ady been alt t d by discase Lapus t thi ks this is an aggeration Hi patient was a 1go ou man 343 are ld with no signs of ribritis and the ruptu ed tendon presented perfectly norm I therefor he balie es that there is uch a thing as true tra matte rupture

SAVABIALD has had two caves I rupture of the t nd n of th b eps O e was a rupture of the lower temion common to the two parts of the la ets. ife lid not perform any operation and the patient who was a vigorous men regained normal function The second case was that of a wuthman who ruptured the tendon of the long head He complained of loss of power Operation showed the tendon very much elongated mther theo ruptured He fulled th tendon in the manner of an eccordion and fire ! il to the m ghboring parts. The result was good Soulicoux operated on a tyr cal rase of suprare of the tendon of the becept in a algorous man of 32 who he I raede a vi lent affort in unloading prance ha he did not wish to open the capsule he fixed the tendon to the comcobrachielis fle made a he le in the latter muscle passed the ruptured ten | n through it from behind I me ad cerne I it around the muscle and passed it a second time through the ont to then he suture I it to the a ndinous portion d the muscle near the curacuid process Roses ty

was uneventful and the functional result excellent Gasamann Tt Study of Rick to (Burne ut I thurschung de Rach tis) have I thirt h 1 Zah h 1914 RL By Centralla I d res. Chur 1 Carne. ch.

J Den T

The author found by companiese analytical chemital experimenta that the proports in of calcium ho-phates, carbonates and water in the rachite bone is the sarat as in the normal but the former ontained per cent I as he se substance than normal according to W mer a formula. The appearance of the disease is a used by list athances to bone pro luction probably lue to the tornased magnesium content of the diseased bont as of to th who hers k resistant then those of preh ton may cont to con ider bly mute megaculum los pu fix

Brandes, VI Esperim rial Study of the Tima of Appearance of Bon Alrophy Gaussel by Disus-(Lapena ni tie Lin ruch neges uhe da zet lichen i timi be dur h i ki til bedagt Anochenatroph) for the d of Gb d Sot ly Amirabil digra (h. s. Creangrib.

The auth r used the on cit of the rabbut to study bont atrot hy II ut th 1 hilles tenden and re-ceted pr All r w & the e wae mark dett phy wh h 1 11 d both the pongy and compa i bone i troy d the out! of the spongy bon niredu ith rt e to 4 i 3 r than a pour The the nith at no be et of the enkle were in feel also Ex where th function was only partific destroyed if hat r ast) trophy began , arly nd th got I sthed gree of inactivity of the bon the he and more t noe the atrophy from hi perim ni ih athe believes that the is no differen between acute necrotic etrophy of the bone and strophy from the use The acute an I I q entity trum d gra ef trophy observed in it mm tory inditions in joint diseases are to be attribut I the complete PRANCE WELK mactivity of the bone

hatase A.: Esperimental Calcification in Normal Aritmais (I permentelle \ rkalkung am genadea T re) Be I a path inst, e silg P th 1914, I u 516 ByZentralld f d.ges, Chu u z Grenegeb

The author injected guines pigs and especially cebbits with different quantities of calcium salts subc teneou ly intrapersioneally and intravenously and after varying periods of time, sometimes as long as 1e3 desa examined the different organs microscopically for depositions of calcium. He found that in this way calcification could be produced to many different organs, when there hed been no previous abnormality of the tissues, and that the degree of calcincation depended on the concentmino and the quantity of calcium sojected et once not on the number of in ctions of the court

amount given It was found further that there was a certain relet! n between the physiological calcium c nt nt of the different organs end the frequency and inten sity of the artificiel calcibration produced in them and that organs with a low phyciological calcium content were especially di posed to depositions of culcium. The kiloneys and intestine extreted the ralcium especially the large intestine but it was also acreted by the lungs in the lurn of small gain. ules with the bronchial mucus. It was I und th t clastic obers and oncects e tissue were especially

predupered to calcul cation The author purposes to devote further study to the results in human pathology of these ducutenes, especially the therapeutic effect of calcium sales to tube renion Chana Merke.

Frenkel Theot II C. Traum tic Disturbances in Surrition of the Semilunar Bone of the Hand (Besträge ur I rage der traumetischen Lenthem rung des De lunat in manue) Ferische e d Geb d R nigres. 12 4 xxs, \$36 By Zentralbl. I d. ges. Chir

The author discusses the post treumetic changes in the scaphood and semdunar bones of the hand first described by Pre ser se eral years ago and later beered by Hirsch Horri ger Wollenberg, hen both and there II reports two ever of each a disease of the semilionar observed by him a li-farich suggest have one of which was ope ated on

One of the cases was in a 253ca old maid the other a 13 aroll abin t make who had had trauma of the hand. After I ur nd one half years the syraptoms had increased to such en extent that the f nerson of the hand was senously interfered with I'h semil a randeu enformwere rem sed by openit un The exam nation showed irregular con or and tructure caused by irr gular deposition of lamelle becomely dark place caused by thicken I g of the lamelle a place and abnormally clear spots the result of the d po. so: A fibran end the frmet un f connect Listue

These two cases correspond in all details to ty pical ases of hienbock tmumati malacia I the semi lu ar bone Th anche ions re as lollo s

- 1 That these two cases are typical cases of traumatic disease of the semijunar (hierbooks traumatic malacia Preiser's traumatic disturbance of nutrition)
- 2. The cases are to be classified with the 16 described by k-embods on account of (2) the course of the disease which in one case was shown by the hintry to be due in trauma and in the other tikere was probably a trauma unknown in the patient (3) the chinard picture which consisted theirly in one sitempts at motion and in certain past posted in the region of the semiliant; (4) the radioplea picture which showed abnormal clear spots in the continue of the continue and in the continue and in the continue and in the continue and inferent in flactures of the hone continue at different in flactures of the hone occurring at different in flactures of the hone occurring at different secondary pressure fracture occurred in a bone that was primarily otherwise desired.
- 3 The theory first set forth by Preser in regard to the scaphod and later estended by Kenbock to the semilunat that there is a primary traumatic indisturbance in muthione hy rupture of the Baganesis and vessels followed by poresis and secondary fracture is verified by the clipnical and tadhological symptomating of the preceding cases in bose disease.
- 4 There is a certain parallelism so far as t ms maine disturbance of nutrition is concerned betwee this disease of the sensionar and the so called hohlers disease in the scaphoid of the foot

Beauty of Dickson F D and Willerd D P The Results of

Joint Tuberculosi to a Series of Two Husdred Cases, Which Have Been under Observation for Five or Vices Years P 11 7 9 4 s u 724 B burg Gyace & Obst

D claon and willard repo t the results to see cases of joint tuberculesas which had been under beens at a for five ar more yeare. The three mun points of their in estigations were the percentage of total cures a comparison of the ris its obtained by the different types of treatment and the value of the carry beg ming of treatment after the onset of sympt ms.

The bar is and bronk cases we cafe treated be fixation pta ter of P ra cast or some typ of brat swer used r bring then t sewre the best ixat possible h nelud g n the east or brace th in the branch brate branch br

The authors urge the importance of bit ging the

patient is general health up to the best possible condution by careful feeding plenty in fresh air and aunlight and hypenne measures. In hospital cases the importance of social service wakers to keep track of the patients and see that they return at auntable intervals for treatment in emphasized at a mittable in the impovement in results in the date of the patients of the patients of the supportance of the patients of the supportance of the supportance of the patients of the supportance of the supportance of the patients of the supportance of the patients of the patients

The paper is largely tatistical and the results pre-ented strongly support the conclusions of the anthors which are as follow

t The results of the present combination of conservative and hygienic treatment may be con

sidered as satisfactory
2 There can be no doubt that the early institution of treatment has a marked beneficial effect on prognesss as to deformity and as to ultimate

recovery
3 Results would indicate that the earl er in life
the onset the more favorable the prognosis

4 In the acute stages treatment in bed is the

5 I rolonged unus formation with mised infection markedly favors the general distribution of the tuberculous process from the localized focus and increases the danger of a fatal termination.

6 The strict enforcement of hygienic measures dung the whole course of the disease and the uper uson of the patient after lea ing the hospitul are essential points in the treatment of joint tuberculous

Dyns F G Clinical and Experimental Results of Streptococcic Infect one, with Special Refer ence to Arthritis and Its Treatment S g to a to Ohit 94 m 234

By yang Clase & Oper

The purpose of the e perments detailed in the paper to show it failure of intra attitude range tions in streptococcus infictions of the junts. The gramms used for the intra-toom inject on of the permential in mails were revolved from the cryp size of the part of the permential in mails were revolved from the cryp size of the permential range of the permential rang

Ittempt we find mal 1 project certain points by the tra-articular juction of solution of a per cent of mabs in giptern water attempts were made to protote e rin a joint by the rints articular inject on of o per cent adolf rin emission. Other point we re specied with per ce tooltutions of sodium subcylate. All the infra articular injections is add and subcylate. All the infra articular injections of the per cent and the intraten is socialized.

solution and injected int avenously

The res ft in all cases were un formly the same nam ly the njected jo is we realway a more severely trucked by the streptococcus than the jointa which had not been spected.

litempts w e th n made to protect the entire

favorable results

hey late et the same time that the intravenous mocu lation was made. In every instance this gave only temporary relief joint inflammetion and septicamia occurring

Two choical cases are cited showing the method of entrence of the streptococcus into the circulation.

The euthor summarizes as follows I le each animal multiple suppurative arthretis developed in from \$4 to 75 hours, depending upon the amount of streptococci injected and this occurred regardless of whether attempts had been made to protect certain joints by injections of differ ent solutions, or to protect the entire snimal by intrevenous injections of sodium salies late

a Swelling end stiffness of the larger toints were noticed after \$4 to 48 hours in all cases

- 3 It post-mortem thick purvient material was
- found in the immis which could be ser ped away leaving the synovial membrans duli and lusterless 4 Destruction of articular surfaces of bones, heaments and cartilages may occur when the am mals do not succumb too early to streptococne senticamia
- Cultures from the heart a blood and from the pus from mosts in the animals used gave pure enitures of streptococca
- 6 The greatest pathologie changes occurred in those joints in which attempts had been made to protect them by injections of formalin or iodoform
- 7 Intrav nous or lotes-articust injections of sodium aslievlate in solutions as strong as as per cept base no permanent effect upon streptococcie ar thuits
- 8 Intra articular injections of solutions of for maken in els cenne or todoform emulsion do not pro tect the sounts so treated
- o Aspiration of the put and a rectum of apti septic solut ons after infection of a joint had taken place did not give feverable result in the animals injected intravenously with streptococci

Meisenbach R O : Pseudo-Arthrosis Froduced by Interposing Sheet Silk and Bayberry Waz. Am J Onk Surg 9 4 22 7 4 By Sury Game & Oline

The euthor classifies ni viosus first as real and second as epparent and believes that it is a residual outcome of a former disease. In apparent ankylosis a 6hrous union may or m y not exist hetween bones

the cartilage may o may not be attached The \ ray will show a line of demarcation between the bones h t clinically it is considered an ank ylosus

In real ankylous, no line of demarcation crusts, cartilages are destroyed and bony umon is present there is etrophy and adhesions of the capsule end surrounding tissues and the synovial lining has lost its physiological function His opinion is that prepared animal membrane aterposed during operative procedures acts as a post-operative mtant the reaction is too rolent at times due to liberation into the joint of an acess of christic acid.

The fascia end muscle-fisp interposition have their questionable results. To his mind the interposition of bay berry war upon the finest silk as a vehicle will prove the least arritant or objectionable. and will result so e greater limit of motion. A few climical cases ere reported with apparently

Brackett E. G : The Use of Induform Oil in Journ Best M & S J 914 der. 873 By Sure Gynec, & Obst.

H W MALTES

Brackett reports his technique for putting od or other medicinal agents into joints also the proper

selection of cases for this operation He lass especial stress on the technique emphasunng the fact that the open incision should all sys be used, because in this way only can e joint be

explored and all the adhesions properly freed Also it gives an opportunity to obtain a specimen for microscopical examination and so help out diagnosis The incision in the skin is usually on the more side of the Luce in the form of e blust ellipse in the

fascia a smaller ellipse in the opposite direction straight and shorter incision is made in the capsule about one half such from the border of the patella in the vertical direction of the limb A special statch as used to close the capsule - salk being used throughout A continuous suture is made, beginning at both ends and include g the fibrous portion of the capsule but not quite through the synoviz that making the synovia act es e valte. Two mattress autures ere used to those the middle of the increon The opening of one is placed above the incision and the second smaller on is enclosed by the first and its opening pisced below. The syringe is inserted between the threads of the mner mattress, and the striches ere dreug tight. The allows the oil to be put into the joint and r tension. It is the tension of the onlin the capsale which the writer behieves is of the greatest importance

Olive oil is used great cere being taken to get a oure neutral acid free oil. The French oil is the best. It is sterilized in boiling water for one-half hour Three and a half to four ounces are used to

n sdult jor t Brackett urges especial care to the selection of cases for this operation. Ha says it is applicable to e cases of capsular invol ement of various types and in stages in which there is no

myol ement of the art cular surfaces There are two groups Cases of old miertion n which adhesions hava been freed and it is desirable to keep the urfaces apart (The use in these cases is largely mechanical)

s Cuses of infection () A ute infecti nheisser etc (b) tobercular syn tu - early stage and (c) chronic arthritis - selected cases

and (c) caronic arcains—wiected cases

The procedure is not a substitute for arthroplasty
and is not applicable to cases I disease of ny origin
as which the X-ray shows in ivement of the articu lar surfaces

In early tubercul cases the most marked ad

definite improvement occurs. The injections are repeated several times, at intervals of 8 to 72 weeks The procedum does not take the place of fixation and rest but permanent fixation is not advisable LLOYD BROWN

Herri k W Pr Massaga and Movements for Certa n Affections of Muscles nd Ligamenta. Im J Seg rora a By Surg Gynec. & Obst

if mil thinks that massage and passive move ments are ry valuable for such cond tions as r Traumat am of ligaments and muscles, under

which he considere (a) conturious (b) ruptured muscle abers (c) my outra and (d) prains.

In contunon gentle centralugal truking dulls sensation and prevents congestion and swelling He cites a few cases in which this treatment sceming ly d m asked the time of cure ery materially

In prains the effusions to joiots react wonder fully to massage especially of the smuller joints

such as the wrist ankles, elbow and phalinges a Disturbed function and nutrition I muscles as to fat gue Locally as in weak foot or flat foot

and in cury ature 3 Di turbed tonct ation of muscles as in loco-

motor atasia and ant mor poliums I tis life come lers acute refects n the onl contra indi cattuo His con lusions are as follow

I Increase nutrition and funct on are essential to the cure of many affections of muscles and I ga ments

2 In obviating deform ty interference with function should be a or led

r Massage and mos must re moortant aids to these nd a d should be much more generally HEN Y J VANO used b surgions

FRACTURES AND DISLOCATIONS

Ross G G Fracture of the Surgical Neck of the W J liumerus. P o 1 u Got By your Gymer & Olut

I acture f the urgical neck f the humoru are pr nc lly lways the r sult of ternal violence and rely due t muscula actio The factue is most of to or ur w th the lbow fixed and the force sen idn tly oo the rhulde oc by freshie bl 1 00 of th lbow with the shoulder held rand The icto mity p oduced is occasionally the res it of the t ree produ ing the treuma but 4 most frequent ly due i muscular action therefore a minute knowledge of the an tomy of the shuld is nec a r ry for prope underst nds gof the conditio and u essiul duction a d fixation

I thir leact re the typical delo m ty 1 abduction f the pper ir gm t by the a praspinate and outwell rot tion and flexion by the r iraspinatus nd tir mino The lower f agment is drawr to a divide tassmus the pect rate major and the teres mat ad pe a nd i re rd ato the axilla by the b eps care | hish a triceps and d hand

If the fracture is impacted this deformity does not exist to the same catent

is complications fracture of the tuberosities occurred in 17 8 per cent of the author's cases and luxation of the head in 3 57 per cent in one series and \$ 23 per cent to another The latter is the most troublesome of all complications of the fracture noder consideration

The frecture is most common in middle and old age but 13 3 jur cent of Ross cases were under 16 yeare of age Lpsphy seal separation is more likely

to occur in children

In the treatment of sample frectures Ross con salere the \ ray of great importance to confirm the diagnous and guide the treatment throughout. In impact d fractures the impaction is not to be broken up unless the fragments are in bad position all that is necessary is to keep the arm suspended by a sling from the wn t In the ord nary fracture reduction a ecured by catension and abduction when as a rule the fracture will remain in good position when the arm is brought down to the side. Ross con a lere that the best results are secured when esten sion is ad le l to the older method of dressing of binding the arm to the side with a shoulder-cap and pad n the astil The estees on may be secured in various ways but best by Buck a extension with a we ght of four 7 five pounds suspended from the This treatment causes some liscomfort at first and the patient should sleep in an armless chair but the escellent results compensate for this In cases whem t is necessary to combine estension and abductio some form I apparatus such as that dr umed by Middledorpf Voo Hacker Osgood and I enhallow can he use I this combination is only necessary when there is marked abduction of the upper f agment I laster may be used as dressing combined with extension if desired

Ross considere operation necessary but rarely acept to compou d fractures it is requir d most frequently when the lower fragment is displaced to the outer side Fracture complicated by complete luxation of the head requires ope ation for replace d fixatio pa tial luxations frequently disappe r under estension lovolvement of the tuberouties prese ts no special problem

FRANK D DICASO

hat A. Let Paralysis of the Ulner Nerve. Following Fractures of the External Condyle of the Hurperus (P ralysies tards es d ub tal à la une des fract re d condylo esterne de l'humérus) J d ch 9 4 437 By Surg Gynec & Olist

Mouchet ha had 7 cases of parelysis of the ulner n ve cooneg oo at periods arying from 5 to 27 years after a fracture of the external condyle of the humerus He go es case histories of fouc of these patients three of whom he operated upo

Io all the cases there had been a frecture of the e ternal co dile in infancy or early childhood The aternal condyle a pushed upward and t

rophied The fracture surface turns outward and forms a projection which can be seen plainly. In almost all cases a callus permeable to the \$\text{\$\lambda\$} ray is formed between the fragment and the rest of the humerus The ascent of the external condule and the change in the line of stuculation siters the position of the olecraoan bringing it nearer to the internal condyle so that the ulnar groove is partially obliterated and the oerie is more or less stretched over the inner herder of the electanon especially when the elbow is extended Also because I the changes in position there is an exaggeration of the physiological carrying angle (enhitus valgus). In the normal condition the angle between the axis of the arm and that of the forearm is about 170 degrees in these cases it may be decreased to ago or even 155" Finally as a result of the shoormal position and the tension on the nerve neuritis

develops. The fracture may have occurred so longfore that the patient has forgotten it and superson of the patient has forgotten it and superson superior of neutris of the ultrar series and the cause is not know on examination should be made to the property of the patients of the patients of the superior of the patients of the patients of the patients as measures will show an old fracture and electronic examination will she will be proposed.

The author treats these cases by supercondiplosd caned rm ossetomy of the h merus if the esternal condyle projects too much its prev only entirepted through a small nuctuon 1/2 to a con long one; is external surface. It is easily removed by a files, with the chief. The sound a closed on the condition of the con







Fig (Mouchet) Sam cass feer operal retion of the butus ligu



Fig. 3 Mouchet) Diagram showing the tension of the linar lens or the t ternal edg of the oferranon in the cubits valgus following leactures f the external condyle

humerus is thused percendicular to the prolonga tion of the axis of the forearm and a thumb a breadth above the totes I condyle A second incision is made perpendicts to the axia of the diaphysis so that a wedge of one is removed just large enough to correct the post on of the arm The fractore is ompleted with the hands. To mm bilize the humerus t is simply fressed with a Velocau handage The akin is autured it hout drainage \o attempt is made to see or touch the nerve. The correction of positio I m the source of stratation and ee covery fodo a In the autho cases pain disap peared at once and the cuntia improved r midly The com leteness of the recovery depends on the

eatent towhich the ner e lea been affected

Mauche A. Congen tal Di sion of the Scaphold of te Wrat S mulat ng Fracture (D viscos conglasle d scapholde carpien mulant un facture 'visculare carpi biparitium') Rev d'oribe 9 9 de By Journal de Chieurgie

Mothet publishes a case of congenital duplication e the scaphoid of the wrist a direction at the histor of this nomaly in bone form tou that is lattle nown in F. nee

Hereas was the tof young ma frog who came to those tall for co tused wound of the leg In tecourse of the emanation them was noted a symetrical anomaly of the hods has act used by see ring fange being longer than the middle fing of the yape. I host ease of the second phalans of the undear middle dittle fingers. The freshowed marked hortness of the second pha



Fg 4 (Mouchet) Supracondyloid cunciform oster

learns of the second third fourth and fifth toes on both sides Radiographs showed that the apparent elongation of the ring finger was due to the fact that its second phalanx was of normal length while there was congenital sh tness of the second phalanges of the other fingers. The articular cu talages were not visible and ossification seemed to be complete. The radiographs also showed an o tomical peculiarity of the left carpus. The scaphoid was d aded into two portions at its neck th scaphoid on the external side articulated with the trapezous the trapezoid and the os magnum that on the 1 ternal aide with the rad us the semilu nd the os magnum The young man had neve had a traum tism of the left upper himb Moreover the absence of protuberances or hony rregularities the atrophy of the internal scaphoid nd the appeara ce of the line of separation which resembled a l n f ticulatio rather than a line of fractur all dicated that it was a co genital anomaly of the b ne and this supposition was ran dered more probable by the concomitant shortness

of th figers and toes. The bypartite scaphoid of nded into radial and ulan scaphoid has been described by Wenzel crube Struthers Phinar Wolff a d Schulz it is probably of the lack of flus not fits the two points of ossification of the scaphoid I fitners has found of ossification of the scaphoid I fitners has found in the scaphoid and the scaphoid and in the scaphoid and indicate the scaphoid and scaphoid

is necessary Biparitie scaphoid may be disgnosed from the insignificance of the trauma the absence of physical a gas and functional disturbance the lack of displacement of the two parts of the scaphoid the clearness of the line of separation and the smooth ness of the surfaces.

ARRE MOSCOTT

Sabin C. G Fractures of the Pel is, with Report of Cases. Verila. t Ved 19 4 59. By Surg Gynec. & Obst

leble fractures receive little space in standard nows which Sohn believes is wrong considering the high immediate mortal by and the complications due to serous injury to soft parts. The various arches which enter into the architecture of the perha and the strength of the lagments form a part of the abelieto to fracture which great force is necessary false. I receive constitute a Japer cent of all fractions are constituted as per cent of all fractions are constituted as a per cent of all fractions are

According to the violence and the direction of appl cation a variety of combinations of frectures. displacements, ad injury to soft parts results. The diagnosis is gen rally easy but great brusing of the soft parts interferes with it at times or some other severe injury may lirect attention elsewhere Breaks of the crust perm t walking and are cauly recor nized There may be little crepitus. Is the patient is olten n shock, great care should he used in secking crepitus points of fixed pain hould be looked for fiexon f thighs is often painless but pushing r p iling in the long axis is likely to be painf l. Frac ture of the floor or posterior edge I the acetabulum usually requires the \(\lambda\) ray for diagnosis as to the extent of hisplacement and position. The pelvice ring may be broken by a force laterally or from front to back but the break is usually vertical and in front or behind Commonly fractures of single bones re those of the crest or spine of the ilium A most rommon rupture of the ring is a fro t to back force driving in the central portion of the pubus The force continued may cause a break between the sacrum and the thum on one or both sides

the sacrum and the hum on one of work succes. The servous a pects of perly in fractures are number of the real and the sacrum and in sacrum and the promptones of effection treatment. The author comments on the remarkable breaky of the literature on treat in hed effects. The sacrum and the promptones of the remarkable breaky of the literature on treat in hed effects. The sacrum and the promptones of the remarkable breaky of the literature on treat in hed effects. The sacrum and the promptones of the sacrum policy and the sacrum and the ring but the author doubt antices these are the period of the sacrum and the sacrum an

frame there is no movement of pelvis to using the bed pan. Filling the bladder with water to deter mine rupture of urethrs, I to be condemned. In juries to viscera should receive carelof and immediate attention. Eight interesting case, and their treat ment are bright described.

Estes, W L.: Compound Fractures of the Bones of the Extremities. J im M Am 9 4, lor 1869 By Surg Cynec & Obs.

Lates gives his personal experience and valla bit suggestions regarding a,506 incture. So of wants were compound. The treatment is considered indet the following headings: (i) First and (i) permittent treatment (a) embracing picual considerations (b) and as to results. The first and suggestions in morphine for passes of the patient's cordium morphine for passes of the patient's cordium packing with tenle game. He does not me the tournaquet and maken n effort to set the bones at this stage of the treatment.

Regarding special considerations under the heading Permanent Tre timest he considers the soft iduality of the patient, his consument and the actual condition of the injured pember Ife recommends a general analytic top examination for disablecting the injured part it diese with beaune either or turpentine and alco.ol, then punds with notine.

Conditions determining omp taion rather than

attempts at coasers atton are

1 If the skin has been so crashed or lacerated
that it as evident that at least thee-quarters of the
persphery o er the fracture and slough, and the
rouseles benesth are budy lacer ted or commin ted,
ampustion will be inevitable

If there has been a circular or annular destructiva pressure on the whole perphtry of the 1 mh at the sate of the fracture or very near it—mp t tion

all be necessary

J if n a case f compound fracture with a senous annular inceration of the skin the subject i
muscles are badly commouted, it will be best re
imputate.

3. If the moury hasbeen produced by trimendous prussure as of a car heel or heavy pillars if rom or steed, the himb may he a the k n of it while perphery or nearly 1 of it killed but not the led, but the mustles beneath will be torn across and he bone communited 5 ch injures require amputation.

5 If the man blood essels are t m scrol but rergularly aggred a y common in these flures, amp inton will be necessary. Another nanathones in trensplants of blood-assels will ucceed this class of injuries. The lacertion of one of thicking seeds when there is to a nextrem ty did not necessitate amput one and the seed of the seeds of the new he distroyed of the new he distroyed of the new he distroyed.

the fragments are loose and deprived of periosten

CENERAL SURGERY - SURCERY OF THE EXTREMITIES

ter negtlie be ef as much as tre g mites - d the shalt the traffet with the last tras of In the 1 training of a 1h this an Itleeters
Two are at word at bit or end of m we shall had It wet to sub there a let te te noutation lie alout it test that a fretter eft ft an aba zitt rabe d the I grown to plates who is ated the - In the I is do t I Lasa he well what I are a sollatore the Alexet neelecten agas Heat the track the Author of the track to the track the with their with after the the lase il tes the best little case but her her he beleficie in auch ar na tie wes in the Ill t least Il number I wes two railly typed relation with residuothe treatment of posteriors by the test by the treatment of treatment of the treatment of treatment of

a henvet attlet ter ter til til a tie In toperate the lift!

I all litter I and I ste test of the stand of h I hag a thal ad the

palti and their t

Walten, 1 F. Autophanic Intr. medicilary Rome-Pegging as a M rhood of Oper 11. Treatment for Fractures. 1 ... M & & 1 ... 1 1) S. E. 1300. A for

2 11

After reduction immobilization is necessary but this must be shortened to prevent stiffness. Two months is the minimum three the maximum even for older children The position is on degrees flesson. and 90 degrees abduction no rotation. After this first period of immobilization ao adjustable nonara tas is applied which maintains abduction and flexion and permits the patient to walk. This is worn from four to six mooths and then is removed giving the patient complete liberty A perfect gait is restored in from six months to two years in some cases othera may require three to five years and still others may never have complete restoration of function because of conditions due to age. The anatomic results secured by this treatment have been about or per cent rures W I CLUE

Hardothn P: Clinical and Experimental Study of Traumatic Backward Luxations of the Anne (Etude clunq et experim atale sur les inxations traumatiques du genou en armère) Re d ckprt situ, 227 By Journal de Chrurpe

bince the publication of Majarages as a second to the publication of Majarages are seen as the Maridon has found a pare vasas as France and enough in the foreign literature to bring the age access up to 79. He drivides them 100 (1) of excl institutes backward and outward (2) lutations backward and lineard (4) lizations backward and lineard (4) lizations backward with rotations. He deduces the experimental level, other authors and the second control of the line and the line appropriate life all the forms of lizackward lutations found clinically and on the cadaver he has found that lutation backward was possible with the presentation of a certain anumber of legaments intact or at last only slightly registed exceeding the second control of the lateral fag same and the s

in regions concentral lustation of the fibula on the this is frequent in certain of these forms while necess plet backward lustation with integrity of the anterior planets is possible. Livin complete finations has seemed possible in some cases without great dis seemed. Generally the anterior crustal lagament is torn from its pernoteal attachment and elo gated fuzation backward is impossible with integrity of the anterior and posterior crue il lugaments. Autopsy amputation of operation has made direct autoposition of operation has made developed and of the lesions possible in 7 caves In rg. cases there was direct tha Award lusation in g. cases ilustron backward nost utward to come one case rotation mustrals, and it causes there were less not elephonical vessels, which precessated regional shead seath did not occube fre operation

The crucial ligaments are often ruptured. This was noted in cases out first complete furnism In a total of op published cases there has a feed 64 direct backward luxinoms 73 of them complete 22 incomplete and 5 not specified luxinous backward and outward i backward and maral 3 by weternal polation 1st by nieroal rotation 5. Leuons

of the extremeles of the neghborng bones are not tacyly infrequent vasculage forms are very frequent also sounds are rare. Duplarements from minoral causes, such as sodden arrate of the extended leg or suspenson are not rere. Dasplacements by rotation result from i reed torsion of the leg. The kine a large shows humanthrouss and is increased in its meteoposteror diameter. Bayonet shaped demarcoposteror diameter. Bayonet shaped determent of the state of the state of the state of the impossible almost movements to varying degree being the rule.

In complete luxation there is shortening. The immediate complications are opening of the joint fractures ruptures of the vessels, and thrombons The late results are stiffening of the joint and limitation of motion sometimes exaggerated flactidity or recurrent luxations. The differential diagnosis, which is generally easy must be made from fractures of the upper extremity of the tibia or of the lower extremity of the femur As repid reduction as possible aboudd he made in avoid pressure on vessels and nerves Geoers' anasthesia is necessary In general the results are satus ctory often even excellent Old nyeducible dislocations percentate operation Among the complications rupt to of the vessels is the most serious and thus far t has been treated only by amputation perhaps, in the future suture of the cessels will be attempted. The trestment of late complications tames with the nature of the complication I OKNONO

SURGERY OF THE BONES, JOINTS, ETC.

Hughes B: The Complications and Treatment of Compound Fractures. Cl J 014, xl 12, 307 By Surg Grace & Obst

From the point of view of treatment compound fractures may be divided into three classes

a Those of dight seventy in which there is a small skin opening the bones not protruding and not visible

2 Those of med um seventy with considerable esternal opening the fractured rads not protruding but supple the duplacement being small

3 Severe compound fractures, both those to volving and those not inv lving points Bone protrading through the skin, stripped of persosteum and u sally soded the latter depending upon the feating where the naury we arect

4 Another class includes fractures of he re nor mally situated close t mucous m mhranes. These are unfavorable o acco t of the organisms nor mally prese t

Repair in compound fractures a sually alo it and the amount of callus less than in simple fractures, possibly due in wider separat once to simpping of the persosteum. If separa is present a natural prolongs the process fumou The thorbard or seen fat embolism as a complication in those cases where it was supposed to be present at proved

to be some ther condition Tets us may occur in case, subjected to road so ling though it is not common and all these should be given ontitetanic serum

The main complication is sepsis With it convalescence is slow muscles and other tissues are involved sequestra are formed the periosteum becomes fibrous. its power of bone regeneration lessened and the util ity of the leg is scrously impaired

in all cases a wad of cotton soaked in carbolic acid (r 20) or a strong antiseptic is placed over the wound The patient is anasthetized the clothing removed and the skin shout the wound is cleansed

The two principles to be remembered are prevention of further infection of the wound (2) elimination of whitever infection is present

If the fracture is of the first class the wound is thoroughly disinfected with Lister's strong lotion composed of equal parts of 1 20 carbolic acid and t 500 corrosive sublimate The fracture is reduced the skin about the wound is excised as in all classes and the wound closed The jumb is put in spl nis and the patient put to bed with the leg un

in the second class the wound is progested and dried the hone sponged with pure carbolic acid and washed with saline solution the ends of the bone are brought together and the periosteum drawn over the fracture by catgut. The skin is sutured and drainage made through an in lependent open

ng This periostial bridge seems very successful and the author fors not believe in introducing any forcien substance In class three, the protru ling nds of the bone are

thoroughly ele n d and may be scrubbe I with Lister's m ture If th ends are ery dirty they m y be cut off an I touched with pure e rholic acid The w und is ni tged and the skin and tissue cut away and t tilized. The bones are then brought togeth r and bridged with periosteum The wound is closed and treated as abo e

In those cases in whi h there was supporation the infection was mid. The most common organisms lound where the ondit is was present were staphylococcus libu v l g inplococcu sami lar to the on 1 al n py rrha a al colars and th bacillus oli mm ni When suppurati p peared the tth we removed A that wa

applied and the wound we heal out daily with per xide and at rik saline sol ton. In all these inc was used. The recases an aut genou sults were m t gran h ng II intestinal sia is was pr wint an note t lant septic was given

Wh n the w und has h aled unly mussage should be used t pr m t u wa

Dialectes sho it ways be thought f nd a present an that treatment should at one

be nsututed

Clarke J J Open Operations in the Treatment of Fractures and Dislocations. L M R 450 Ily Surg Cypre & Obst.

ARC ES ORLELY

In ma 3 case of rece t sample fracture. oper tion gt the best result I pproaching the subsect it is best to make an anatomical subdivision as follows z Fractures involving joint cavities including

some epiphyseal separations. 2 I ractures close to joints including most eniphyscal separations and injunes to the carpus

and tarsus I factures of the shafts of the long bones

bractures of the flat boncs

c Fractures of the bones and skull face or of the spine Injuries at or near joints hove longest been

recognized as demanding open operation. Open operation in recent fractures of the long bones has of late demanded almost more attention then joint injunes Clinical conditions must be earefully con sidered bel re operation is decided upon. In some cases late operation is necessary on account of non or faulty union

In all operations the technique should be perfect and the assistants should be well trained and ade quate Recently with improved technique carly operation has become more general. The sooner the operation is performed the sooner can massage and

mo ement be beruo This branch of operative surgery demands a vast array of important technical details. The details

used in the fracture of the patella are illu trated by the author Union without operation is difficult because the soft parts fall between the fragments The author dinstrates methods of holding the frag ments by a wire loop by a screw by a bolt and by a Lane plate. He thinks the simplest method best and inclines to the use of a wire loop If it is decided to drill the bone for a wire or screw it should be ascertained that the bone is strong enough to bear drilling If o apparatus to at hand the capsule moy be closed by a stout salk suture on each side of the pat ila The whole tear is then sutured

When couphy-seal artilage is present in the perghborhood of a fracture t should not be int lived in any metal apparatus | will, suture is usually sufficient if a plate must be used it should be re mo das soon as union i firm to asked int if ren e with growth

Rupture of the patellar bgament or the quadra eps rug yes open operation and suture

Other Lnce joint t juries that call for pen peration re

Di place I semil a r cartilage in which the new n , best made on the inner side back I the patella thus allowing access to both cartil ges

a D slocation of the Luce with factration of the beaments

In tears of the cial bgaments the joint is opened by a rucal pletts g of the pat Ila and the bigaments are sutured \ separated | une of the tub is secured by ser wing Separation of the lo r piphy southel mur or of the haft above the may me d to be pried into place

D doest of the pat lia may need ut e of the t n I gam nt

After reduction ammobilization is necessary but this must be shortened to prevent stiffness, mooths is the reinimum three the maximum even for older children The position is on degrees flexion and oo degrees abduction no rotation first period of immobilization an adjustable apparatus is applied which maintains abduction and flexion an I permit the patient in walk. This is worn from four in six months and then is removed giving the patient complete liberty A perfect gast is restored in from six months in two years to some cases athers may require three in five years, and still others may never have complete restoration of function because of conditions due to age. The anat mie results secured by this treatment has been about 07 per cent "urea" W \ CLus.

Hardottin P Clinical and Experimental Study of Traumatic Backward Luxations of the Anes (Étude limque et experime tale ar les f rations trs matiques du genou n mère) Rer d he 1014 Rhx, 227 By J urnal de Chirurme

Since the publication of Malgaignes 12 cases Hardotin has found 17 new cases to France and enough to the foreign hierature to bring the new cases up to 79 He divides them 1010 (1) direct luzation complete or incomplete (2) luxations backward and outward (3) luxations backward and inward (a) luxations backward with rotation. He discusses the experimental work of other authors and describes his own lie has been able in reproduce experimentally all the forms of backward luxating found clinically and up the cadaser be has found that luxation backward was possible with the preservation of a certain number of ligaments intact or at least only slightly injured especially with preservation of the or both of the laterel hea-

I concomitant luxation of the fibula on the tibia

is frequent in certain of these forms while incomplete heckward luxation with integrity of the anterior ligament is possible. Lven complete luxation has seemed possible to some cases without great displacement Generally the anterior crucial ligament is torn from its periorical attachment and clongated Luxation backward is impossible with totegrity of the anterior and posterior crucial ligament Autop sy amputation of operation has made a di ect study of the lesions possible in 27 cases. In 13 case, there was direct be kward luzation n 3 cases luzation backward and outward to 6 cases luzation accompanied by external rotation in one case rotation inwards, and in 12 cases there were lesions of the poplites vessels which necessit ted remo al when de th did not occur before aperat oo The cruci I bgam at are often ruptured

was noted in a cases out of 12 of complete hazatto In a total of 93 published cases there have been 64 direct backward I sations 27 of them complete 22 incomplete a d 15 not specified fuxations hack ward and utward 11 backward and mward 3 by external rot tion 14 by 1 ternal rotation s Lesions

of the extremities of the neighboring bones are relatracky infrequent vascular lesions are very frequent akin wounds are rare Displacements from indirect causes such as sudden arrest of the extended leg or suspension are not rare. Displacements by rotation result from forced torsion of the leg. The lace is large shows hiemarthrous and is increased in its anteroposterior diameter Baynnet shaped de formity is characteristic Spontaneous motion is impossible abnormal movements in varying degrees being the rule In complete luxation there is shortening. The

immediate complications are pening of the joint,

fractures ruptures of the vessels, and thrombous The late results are stiffening of the joint and limits tion of motion sometimes exaggerated flaculary or recurrent luxations The differential diagnosus which is generally easy must be made from fractures of the opper extremity of the tibia or of the lower stremity of the I mur. As repid reduction as possible should be made to avoid pressure on vessels and nerves Cenerel aogesthesia is necessary In general the results are saturactory often even excellent Old streducible dislocations pecessiate aperatino Among the complications rupture of the sessels is the most serious and thus far it has been treated only by amputation perhaps in the future suture of the vessels will be attempted. The trestment of late complications varies with th

SURGERY OF THE DONES, JOINTS, ETC.

J ON CALL

nature of the complication

Hughes, B.: The Complications and Treatment of Compo ad Fractures C! J ora, al m 307 By Surg Gyner & Obst

from the point of view of treatment, compound fractures may be divided into three classes

I Those of slight seventy to which there is s small skso pening the bones not protruding and not visible 2 Those of medium seventy with considerable

external opening the fractured ends not protruding but visible the displacement being in li 3 Severe compound fractures, both those involving and those not ios lving jointa Bone protruding through the slan stripped of periosteum

and usually soiled the latter depending upon the locality where the murry was received Snoth r class incl des l act res of bones nor m lly stusted close to m cou membranes These are unfavorable on account of the organisms nor

mally present Repair in compound it ctures usually slower and the amount of callus less than so simple freetures possibly du to underseparation or tostripping tures possenty du to water separation of fortripping et the periosticum. If sepa is is present it naturally prolongs the process of umon. The who has new recases where it was supposed to be present it proved

t he some other co dition T tanus may occur to cases bjected t road Two of the znz fractures of the patella were not operated on In one of these the two fragments were separated but slightly and the tendinou expansion of the vastus muscle had not been torn talkessee plaster held the fragments together with satisfactory result

When operation was the method of treatment it was usually performed as hours after the injury A curved incision was used and the flap which included the Lin and all structures in the patella tendon was dissected down to the lower edge of the patella giving a good exposure of the fracture mnt and the t ar extending dawn on either side of the joint through the tendinous e pansion of the vastus musele All soft tissue which had fallen between the fragments was removed the edges freshened the rents in the lateral nortion of the capsule repaired and the posterior edges of the fear tuze brought together Mattzess sutures were placed crossume through the putella tendon above the upper fracture and carried across the tendon below the lower fracture Delatour believes the ffect of this is in tal. the strain from the trans er-e line of sutures during the reco ery from the anasthetic when the great quadriceps muscle contracts \ anal row of sutures is placed in the anterior lay r

the tendinous panel mer the bone The plante cast is partly remo ed aft ten days when the patella is massaged. Uter three weeks the joint get passi e moti n th cast is discarded et night but a posterior splint a continued while walking for at least three month The resulta as reported are as f ll w In 90 instances the h e useful fracture was esposed an I autured units but with limited mot n forty four have dexion in at least a right a gle and have perfectly useful joints. The remainder he not been traced but If had m tion to 1 least a d grees at the tim of leaving the hospital It If THOMAS

D I mire a the diff rent methods of amput ton practiced by French su gross II mentions several methods I neter real disarriest it in that may be used in case Lastrace a suppart a ire possible on account of lessons of the bose or impores in the soft part disarriculation frost of the scaphoid and bond Bonas districtual which removes the project ng part of the exchand and disarriculation i if it if the scaphoid and os calcias

The result in these three operations are about the same as in Listance and do not give rue to the deformaties in t is frequently follow Choparts amp tation But the tertaral distartivation has not regamed in the past I w years what it had previously leaf. Indication for it are re e not to provide the control of the past I were the previously leaf and cathod for it are reasonable to the provider of the past I were the not to mutualize oper tons and many authors beld that the operal in that sacrafice more give stump that

can be more readily utdized in prosthesis. Operations that sacrifice a part in the posterior tarsus such as the aubastragaloid and Ricard a seem roore satisfactory and after them the osteoplastic operatrons—le I asquer a Lefort a and lastly Progod's

Tibiotarsal disarticulation by Ollier's aubpenosteal method gives very remarkable results. It is frequently indicated and often it is the only one possible The small amount of skin demanded and the total sacrifice of the tarsus which is so often diseased or suspected of tuberculous cause Syme a and Roux operations to be practiced more frequemly than any other amputation of the foot This tibiotarial disarticulation gives functional results equal to those of the ostenolastic amoutatio a of the tazans, and not inferior to those of Ricard s and the auhastragaloul operation. If the extent nr the nature of the lessons cause the surgeon to heatate it is better to select the radical operation which gives greater certainty of recovery without particularly diminishing the functional value of the result

Geiger C The Electric Drill Saw Reamer and Trephine in Bene Surgery Surg Gyaca & Obst 19 4 N 763 By Surg Gyaca & Obst

The author asya that the old crude methods of employ at the basel hammer and hand drill are unaventuse procedures requiring too much valuable time and exhausting the patient. With the electric circ la saw the suther removes bone grafts varying from two in ten unche in high! Bung grafts cut its this manner are used in Potta dhease and ununned fractures in place of Lane plates. The gafts are usually taken from the tibu. By the use of this method there is a mannum off handling manipulating and traums which lessens tofestion in bone grafting.

Holding the motor by means of the hand piece the cable which usually conveys the power from the motor to the instrument is supplained. The cable is alwas in the way and if heat at an acute angle while runou g it generates beat and its action in retarded. After macring any of the interchangeable unstruments the operator has a steady and abolistic control of his howe work.

In mastoid and cranial with it does away with the jurning ad concussion by hammering

The complete set consists of one motor one steri lizer two drills two burrs two sawa with mandrels n e trephine and one or mal saw This instrument was tried out by Murphy during

the Church Cong ess of the Surgeons of North America, November 33 1913 and he status This is a first class device and by the use of this set in instruments—trephine erainsl saw burs and drills—we simplify and moderance bone surgery also reduce the time and labor essential factors in this important branch of work. The great power and efficiency in this small instrument as a motor saw lectrice dill eamer in direption, deserve the high est commendation of the profession. Young T C. Surgery of Bones and Joints. Calf Edict M J 1914 vil 110. By Surg Grace & Ob t

The author gives his views in reference to the selection of fractures for open and non-operative treatment with his own and others ideas r garding the techanque desimble in various cases. He also discusses briefly discusse of the knee-omit

licheving that there is no subject in medicine of more widespread faterest than that of fractures, the author gives A-ray work credit for stimulating the practitioner in careful lugnosis and treatment and Lane credit for the enormous impetus given the treatment of fractures by means of the steel plate Young however makes a plea for common sense treatment for many fractures e pecually those near joints, in which cases he thinks the open operation is wholly uncalled for Ife believes that ordinary urgical asepsis is not sufficient for bone surgicy very tissue mu t be handled with forceos and not by the gloved hand 'to sponge sh uld be applied to the wound the second time. The skin auriace should be protected by lolded gauge or towels satu rated with a normal salt solution and the wound losed with k a chos

Comment is made a parding bose grafting and he believes that those who attempt it should be peedly mechanical and have a complete under standing of ascepta Bluesces of the kneepe nat are limitly discussed and two surgical means of treat ment count level 1 two orthopeds, or mechanical means event purpose the publication of the property of the proper

Seasmith G H Bone and Joint Surgery J H Sec V J 9 4 1 7 By Surg Giner & Obst

bessmith tays bone and joint surpary has met much crit i m because of the after resulte of operations and the liabil ty to legal entanglements. Too many physician wh have not had sufficient experience undertal. cases when they are not bit it it i white is abdominal surgery no one would attempt its practice a thout thorough training.

With our present La whidge fractures and lusa tions must be treat. I by applying proper mechanical knowledge in rd r to get good functional results, and not merely correction of the anatomy

Is regard to the Line plate he says, except where it is bisolutely necessary to josa fragments it is generally left to us the old lashoned plant thus a disgebase infection in using plates or grafts it butter t wart oo or 1 days so as to allow the treates to hal thus preventing germ

In a simple institute the re is not much danger but in a compound if a ciurel is end limb are cadangered In treating compound fract or unnecessary examinations, and leanuag as it a usually dise should be a outdo. If the wo not se contemnated with oil, it should be removed with hemme fodges in paneted about the wound and loose home or britised tissue are removed with natruments britised tissue are removed with natruments of the state of th

had apposition, splitts or grafts may be necessary. Seasonath thinks that the bone-graft so non under of fractures as better than the Lane plate or main its has found in non unon of the long bones of the late that by the use of a leather brace and ambultion good unon this resulted in from 3 to 6 months, the fraction of the Inguinest producing operations.

elements
In regard to infectious arthritides be advocates
the Murphy treatment, which is an aspiration of the
joint followed by an injection rate the cavity of a
2 per cent formalin and glycenae solution, together
with Buck a extension

For the relief of ankylosed years he advorates the arthroplastic operation of Murphy the most important factors of which are the proper formation of the flaps, strict asepass and careful technique J H Sans

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ORTHOPEDICS IN GENERAL
Fraser J and Robarta, If II 1 Congenital Ded
ciency of the Radius and a Homologous Con
dition in the Left Lanet Lond 19 4, thusto
606
By Sung Cyper & XXVII

A case of each condition is reported. A study of mbry ology suggests that here is to be fun an explanation of the condition. The hand at both was twicked into the axist and held in such a with that the normal rosetion at the elbow was sortefreed with a and it was strongly deviated to the radial side. The radius was represented by a thin rod occupying a position about the middle thrift of the ultim, which was cone in and Correction by thind loops (ramplant was proposed.

The leg hose of a deficiency in the lower third of the tubis which i remained about the create in acquisite overage of Ebrocartulage. The lot expulsives and a small py mendal mass of displays we proceed. Operation, consisting of tubial transplant was entirely uccessful giving a perfect result after mune months.

Cerner M II Paons Parvus Contraction. I Lancet 9 4, 2521 338 By Surg Gyace. & Obst

The author reports a case f contraction of the poss parsu muscle causing sever pain on the ner asterns and posterior aids of the leg and a the agnosal region. After various unaccessful iteroptis it treatment including an exploratory porest my the tendon of the posts parsus w if and to be under great tession and wast divided R if was municipate and permanent. This condu

tion is comparatively new to surgery. The symptoms may simulate appendicates, Potta disease, sacro-ilize disease aynovities of the hip-junit sciatics and other diseases. W. A. Cark

Mauciaira: Semi Articular Grafta and Typical or Atypical Resections of the knee for Osteo-sarcom a (G eff sem) articulaira et resections typiq es ou typiques d genou pour osteosarcomes)

Ar k gen de ck r 1914 u. 4 5 By Journal de Chirurgi

Of recent years several surgeons have recom mended conservative operations in all cases of esteosarcoma, but Mauclaire has had bad results with such operations except in myeloid sercoma If the patient demands conservative operation he prefere resection Osteosarcoma even of the most malignant type is a form of tumor that shows many aurprises in prognosis Jahoulay reports a case of myeloid sarcoma of the radius operated upon in 1902 which finally recovered after ten additional operations The treatment varies depending on whether the aarcoma is of the disphysis or the eniphysis. In the former niter partial resection a fragment of the fibula or erest of the tibis may be grafted In the latter typical resection is difficult in such cases after resection a homo- or autoplastic graft may he made from the living subject of a corpse or an atypical resection may be performed He reports two groups of cases one of semi-articular graffs home- or autoplastic from living subjects

or corpses the other of atypical resections Semi-a ticular grafts (LEXER) (4) In a case of myclogenous sarcoma of the upper e tremty of the tibia there w s a semi articular homotransplantation of the same bo e from a patient who had been operated on to semile gangrene Good results were obtained but the patient was so obscused with the idea of the graft that it had to be amou tated (b) In a case of central surcoma of the upper part of the tibia a homotransplantation was done from an amp tated leg. The result was good (c) A homologous living graft was used in sarcoma of the lower third of the femur with good functional result. There was a regid recur tence (d) I myelogenous arcoma of the npper extremity of the humerus a graft was made of the lower half of the femur taken from anamputated limb and fixed with a f gment of the fibula of the same himb Good result (e) Good results were gamed in a case of my elogenous surcome of the lower half of the ulna by grafting the lower hall of the tibia f an amputated limb

(Kurrxux) () In outcoarcom of the upper third of the the has a homot anapale tation was made of the same home emoved from a corpse three hours after death Good result (b) In sarroms of the upper artem ty of the femur a graft was made of the same home removed from a corpse Thomas of the same home removed from a corpse Thomas of the same home removed from a corpse Thomas fluid It was fixed with rvory chips There as good functional res it rapid recurrence at Graft from a corpse removed three houre after death was used in a case of chondrosarcoma of the upper extremity of the femur At the end of seven months there was a fracture of the neck of the femur with consolidation. After extripation of a local recurrence there was a good result

(PUTTI) In osteosarcoma of the upper extremity of the femur a living autoplastic graft was made with the fibula Dextb resulted from pulmonary metastasis rg months after the operation

(WALTHEA) Good results followed the autotrensplantation of the fibula in a case of mycloid sarcoma of the lower extremity of the radius.

(ROSENG) In surcome of the internal candyle of the femur a homoplastic graft was made of the humerus. After resection of the latter and semiariteular homotransplantation of the femur there was in good result and progressive consolidation.

(Vialmay) In osteosarcoma of the lower eatremity of the tibus an autotrensplantation was made of the fibula fixed above into the tibla below into the satragalus between the body and the internal surface. Good result

Chaytstanze) In a cate of myeloud ostroancoma of the fore repolyases the nature (7). Resection of the fore repolyases the nature (7). Resection March 1916. (A) A local matter that the finite hard for 1911. (3) There was removed as the finite system of 1911. (4) There was removed as the finite system of 1911. (5) There was removed as the finite system of 1911. (5) There was removed as the finite system of 1911. (5) There was removed as the finite system of 1911. (6) There was removed as the finite system of 1911. (6) There was removed to the homotron spalnation. Lavag grafts give some good rasults, but there is some question as to the value of grafts from the cade of the system of the finite system of the finite system of the finite system.

2 ftypical rections (MAUCLAIRE) in a case of central myeloid sarroms of the upper extremity of the thin the epiphysis of the tibia was resected and the disphysis implantated into the femur There was good functional result after resection of the upper extremity of the fibula

(Branax) A case of resection of the knee and implantation of the fibula into the femur

(ALBERTIN) Good results were obtained in a case of myeloid tumor of the upper extremity of the tuba and fibula and the mplantation into each of the condyles of the diaphyses of the femur and tibus

(Times) In a case of osteosarcoma of the upper extremity of the time resection of the femur and tibus and implantation of the fibula in the femue produced good results

(JASOULY) In a case of extensarcoms of the upper extremity of the tibia, the tibia and fibula were resected and the fibula was implanted between the two condyles of the femur Metastasis occurred four months later

All these conservative operations are justified only in myeloid sarconata. In other cases it is hetter to perform an amputation or a disasticulation far from the new-growth. Instellogical examination of a fragment from the tumor is necessary in order to determine the nature of it and decide on a logical operation. BERHARD DESPARA

Altermann I Study of the Congenital Malformation of the Ankie Called Volkmann is IContribion a littude de la malform ion a littude de la malform ion congenitale de cou-de-pied, dis de Volkmann) Tâ de dest Par ro 4.

By J med ic Chrestopher in the Congenitation of the congenitation

A new case of this curious disease is reported bringing the number of cases up to 13 There are two chaical types. In the most freque t one (is cases) the lesson is bilateral and appears at high there is also a marked shortening of the leg and a pronounced valgua position of the foot In the other type (s cases) the deviation of the foot is markedly varus All of the functional as d physical symptoms are due to an abnormal bliquity of the line of the tibiotarial articulation - normally it is horizontal The mallcolus is thicken; I and covered with bony projections, and its apex comes very close to the ground the external malkolus contrary to the normal condition is farther from the groun I s or 6 cm or even more The ep ph) is of the nbula is sometimes bent outward forming a more or less obtuse angle with the diaphysis. The astragafua is deviated outwar! its internal surface supporting almost all the weight of the body. It is not a que tion as volument believed of a congenital outward luxation of the foot the obliquity of the hoe of articulation is the essential por t the devisiton of the foot be ng only the result of t

as to pathogeness Adkmann a locase most he clearly distinguished from congeoutal aircocc of the tibus of fulls for in the former radiography I way a show a that all the bones are present. Il dity is obsert of in Volkmann a disea e not it may be a

regress e anomaly. The cause is unknown. The first step of the treatment con sits in having the child star an orthopothe appliance to present a norse in the deformity. It is along the child star an orthopothe appliance to present a norse so in the deformity and the control of the control of

Ehrenfried A Club-Foot a Statistical Note.

tm J Onk S 12 9 4 x N 4
B) burg Gynec & Ohst

The author show by a st tutted complained some etabogened fareo a in this boat and other congenial deformults. It is attaint a compared of a years and the observation of a few hundred cruses. Eq. mos rus to be a to be the cumes as free ent is any other form potential calcaneavalgu, the next most comm in. Mal are affected two to their times as of a site female. Double deformation commanders of the state of

in twins as in single pregnancies. Difficult libers occur to one-fourth of all cases, premature birth in 3 per cust thegatimate to three per cent one-filth show other concentral deformaties

Of club-loot in near relatives 5 per cent are equinovarias an f 80 per cent hi e double deformity

Willems Tarsectomy for Club-Foots A New Mithoid of Operation (La tarsectome pour paed bot. Lo nou can procédé pé torre) treis au sal

to nou can procede pt tone) tree as an derb ort 550. By Journal de Chaung.
Willems prefers tarsectomy in the treatment of elish foot. It gives a shorter foot than some other methods but one that it, put ha form and suppleases

The first step is to resect a flap of skin from the donal abriace of the foot so that too much skin will not remain after the operation

The second step is the compil to resection of the

astragalus by chief and malle?

The third step is the transserse resection of the anterior tuberosity of the occaios. This resects should be extensive county in give the food a sort of balancing motion. If necessary one half or two-thirds I the not now just of the occaious may be cremoved one even for extreme eases a part or all,

of the cuboid on le in the scaphoid The fourth step is the I fting and rotating out ward of the anterior part I the foot which brings the cuboid or if it has been resided the bead of the fifth in tatarsal t to the pening bet ren the tibia and houls. This operation serves odmirably to co reet all three clements of the deformity the equia sm the plantar aversion and especially the adduction I the anterior part of the foot The stent of the resects n may seem excessive bat experience has hown that after extensis resection the remaining bonca adapt themsel es very rapidly throus is formed between the surface of the libra and fibula an I the ubord I te considers this the opera t on I choice specially in v ry young inlants and all forms of congenital lub foot exa pt some race cases of peomplet club foot in which consers t e tarectom, will do CHIPOLIAL

Jones, R. Ti a Surgical Treatment of Intantila Paralysi C7 J 9 4 xl u, 353 By Surg Gyace & Obst

La ly tre timent should be by rest including fixition on some of time irration of the affined are small to used faulty posture, where it is using before the followed by massage, and car ful med t among loan by massage and car ful med is the med filter are of the med in the many between the medium of the mediu

Oper t e treatment hould keep athan the hout set b experience which show th t m sele attetch i g causes quite serious d torm ty as paralysis, and care should always be taken to Leep up proper muscle tension avoiding stretching with its result ing impurment of function and relaxation produc ing faulty mechanical action with delayed recovery

of function Jones emphasizes the fact that not only nerve but muscle tissue is invalved a in cases of drunkard a palsy which may be due to muscle-stretching with out at oh ement of the musculospiral nerve and the whole nerve muscle unit must be considered. These principles apply also to tran planted muscles, which mu t be placed in correct mechanical advantage and not made to contract against too great resistance

He considers electricity of less advantage in treat ment than massage correct posture and exercise and cites cases in which cure f llowed the complete relaxation of overetretched muscles by fixing the part in position of contraction of opposing muscles thus securing duminished tension on the weakened muscle tusue which mmethately showed marked

trophie de elopment

rebrodesis and tendon tran plantation are not to be considered early in life before the patie t can understand the situstion for himself - and a ver until deformation have been corrected for at least two Such correction can be accomplished by manipulation tenotomies fixations and extensions and more rarel by ostcotomies Muscle transplantation a me at the rest ration of bal nee and careful study sh uld prec le operat on to avoid the sub titution of a new bnormal condition for an exist ing on Unless a muscle ble to be f functional use it is useless t tran plant t though its tend n may be used as at ligame tin cases where ill. ha sometimes been used he nebonn it in the persosteum as for met ne n the external malleolus to correct and d form t

discussed nd hone ex Verve tran position pressed that ben r re ults may fallow soon from our bett r under t nding of ners physiology par ticul rly the wo k of St fiel on the topography of the cross sect nof ners which ma goe bette basis for th accuret uturing fabore 1731 g C C WELLS impulses in the same direction

Davis G G Lumbosacral Pains, from a Orthopedic Standpoint They p Ga 9 4, xxx 38
B) Surg Gyner & Obst

The rusho discussing pain and ta causes in the lumbosac I regi t t that whil t is a desirable

thing to be able to demonstrate the origin and cause of chn cal phenomena it is not always possible to do so He states that it is a fact that there occur in certain cases, symptoms which are referred to the remon of the sacro-diac 1010t

It is not evident to what extent these symptoms may be due to the involvement of the surrounding structures uch as fibrous tissues and fascia and to the adjacent lumbar and lumbosacral and even hip-joints but it is probable that they are more or

less interlaced The existence of distinct lesions have g their main seat in the sacro-iliac joint has been practically

accepted as a fact The history is given of a case which the author believes was a clear case of sacro-iliac relaxation

He states that other cases with the pa n low down on the back give no evidence of sacro iliac relaxation but that when the complaint is localized in the region of the sacro-thac mint for clinical purposes at is wise to consider that part affected and direct measures accordingly

These troubles low down in the back he states are also caused by traumatism and cramped or unusual attitudes In addition he states there may be a true osteo-arthretic process and a condition which he called a rheumatoid gouty arthritic diatheis as the cause of the trouble

He considers support fixation and rest the best remedies Drawings of a number of lifferent belts and appliances used in the treatment are shown

JURES O IL MILLOCE

Blesalski K New Apparatus (T chaische Acuse gen) Z niralbi f k merk Orthop 1914 iu, 54 By Zentralbi f d ges Chir u.: Grenzgeh

In the after treatment of club-foot tran planted tendons etc Biesalsk makes use of a simple appa ratus that can he used at home and that insures a pronating ad suprnating movement of the faot It consist essentially of two plates that can he tilted by means of prings and t can be arranged as desired for the treatment of club foot or flat fnot In fixed flat foot to recommended th ta hot-air treatment be used a conjunction with the apparatus. He describes a night spl nt for club foot which corrects all three pathological mo ements. For m ld cases of Des equinus he uses a thigh splint with a shine which can be beld in dorsal flexion hy a piral spring acting on the ankl j nt Diverse.

SURGERY OF THE SPINAL COLUNIN AND CORD

Roth R. L. School Posturce and Spural Deform ices. t / las M Ga 0 4 tax 5 By Surg tymes & Obst

Nanety pe ce t of the pt al d formaties are developed between the ges of six and twenty Lateral curvature is r re among the uncay lized whi to ommon amo g the calued is the infant progresses from the crawling to the crack postur he de clops the physiological curves of the body and at the same time develops the muscles of the back t maints a the erect posture. The nnet lized nations exercise the pine hy carry g burdens n the bead and also by satting on th gro ad n tead of n char Children would probably be benefited if they did not use chairs until they were eight years old

Of ro,066 school boys 4 r per cent were found to be scoliotic and of 13,356 school girls, 5 8 per cent

were scalintic.

Scollosus se alwaye necompanied by rotation and at times is also combined with varying amonnts of

at times is also combined with varying amounts of fordows and kyphous. The erect position is main tained by the opposing action of the spinal muscles, If one set of muscles is stronger than the other there will be a curve

The school poetures of sitting, etanding writing besides the school games which exercise only one side of the body are largely responsible for the

prevalence of scolosus

The long axes of the truth is at right angles to the axes of the lips and shoulders. If the pelvis is titled by a short leg ar from some other cause the spine will till to that side. The spine curves up to restorn equilibrium as a result the opposite about hought about by feulty hatast of etanding, and also by interfering with the equilibrium of the body as in carrying schoolbooks

In atting the equ librium of the body can be maretained only when the center of gravity is directly over the hip-junit axis. If the center of gravity is before or behind this point there is constant musch effort resulting in listing and the assumption of

faulty posture

A foer real at a sustable distance allowing the keep to be been at one and one half neal angles will be to be been at one and one half neal angles will be to be the service of the service as properly constructed back to support the pare. The support of the lumbur pane release fatigue and prevents faulty at tude. The support about the placed to allow the center of gravity to fall just beh ad the hip count aux A seat without a back or with a baddy constructed back causes round shoulders and humphed to k with their concomitant exist. The depth of the scat me the such as a lating with the scat me the such as a lating with the scat me the such as a nation of feering the lates whe the relation to the such as a support of the scat me the such as a slow of the scat me the such as a nation of feering the lates whe the relation using the hruteness.

In sur, us the light should come from the left. The deak top she in do erisp the west so that the child may write without bending forward. The height of the deak she lid be such that when the child sits erect both lhouse can rest over the edge thought of the deak she lid be such that when the child sits erect both lhouse can rest over the edge tho melination in the deak should be about tharty degrees. The sunt up paper should be about tharty degrees. The sunt up paper should be piaced only the other than the sunt of the state of the state of the state of the sunt in mailed to the main and left edges of the paper. The child wall then sit erect without any muscular if it there will be not wresting of the spine or advancing of the left shoulder.

A had writing posture always predisposes to lateral curvature of the spine with marked rotation. It is most important that educat onal authorit es pay more attention to the lact that spinal curv tures are generally developed during school life and that they can be prevented easily Agenca C Reney

Leriche, R Tuchnique of Laminoctomy and Radicotomy from Seventeen Case (Sur I techapie de la lamacetomie at da la radionômie dark dux sept observations) Lose Chr. 19 4, 21, 40 By Journal de Chrurpe

Mete having performed ry insunctionnes Lends thanks that operations on the nerve roots and the cord are not difficult iff not done by the estational nethod whet causes troublesome hazmorile in aperates under other anasthesia after dusignifica with incluse of lodine with the head alignification with the characteristic of the with the head safety lowered. The exploration is made by the classical postudes of the hard and propher canonistion of the vertibre as and of when absolute precision is next product in the contract of the contract of

Ils modaus is eccomplished by persure by plann temporane in the must-independ growe. The spinous processes are then removed with the gong forceps and the needslays canal opened wither with the forceps or with the aid of a Dayre but. It is vern bleeds the bleeding may be support with the aid of a but of muscle. Then the dura potter belt with two Tutter forceps or menced with a bustom Generally the erachated is opened at a second stare where the disposition of the contraction of the co

has been accomplaised. Jeneke sutures the dunmater with small curved needes and oo estgot with satures no near together as possible. This less of finalsed here us a large ideal space courssponding to the latinus and spinious processes the with the flush mucke agas it the dura mater. Then the muscles are sutured 1 several layers to channage sused. He had smortal tyof no peaced. He finds that the results in unfamination of the environmental to the second of the second of the environmental second of the second of the first carellest. In spamodic paralyses he thinks it is carellest. In spamodic paralyses he thinks

Adams, Z. B : Ca see and Treatment of Scoloolstm J Orth Surg 9 4, 22 No. 4 By Surg Gynec & Obst

Adams believes scollous is due to some congenilal deformity in the sacrum or the fifth lumbar vertebre—as failure at fauson of a superior or afterior and the sacrum of the fifth lumbar vertebre —as failure at fauson of a superior or afterior and the sacrum of the sacr

upon an unstabl base Rotation of sacral segments belors fusing has taken place is also given as a cause life believes correction f deformity should be by operatio II. W Marray Schanz A. Concerning the Treatment of Scotlonis. Am. J. Orth. Surg. 1914, 22, 570. By Surg. Gynec. & Obst.

The author considers that the problem of scobins has shown justed to be the most difficult to solve of all thet have ever heset our scener and our art. In the history of the treatment of scobins there is a peculiar activity in expensioning and blunt contradictions among writers on the cubject. In the stay to get not of the cupied in the cubic of the cubi

All real scoloses show lateral curvature of the spine with pnincipal sod counter curvatures, cutifvation of wedge-shaped and oblique vertebre and torson. The ongo of real scolosis lies in the meproportion of the load to the extength of the weight bearing column. The torsion is explained by the fact that the overloading is felt at different points of the cross section of the column at different times.

In the treatment there are two things to he accomplished; e to restore the equilibrium of the epinal column and to restore its normal electerations. Gymanics are to be used in selected case only for there are cases in which the condition is not henefited but aggravated by this form of treatment. Patients who seem to have been ongo multy errong and who have no pain or sensitiveness in the spane may be given gymanistic treatment in the spane may be given gymanistic treatment means of correction of the elected deformity bow ever it is the author's con retions that gymanistics are absolutely uncless

Apparatus for support should be accompanned by some measure such as massey or exercise to prevent the atrophy of 1 act sty. For restoring the normal eleberal form mechanical apparatus is the only swalable means. Fundamentally any such apparatus should consist of two parts—a fixed paparatus should consist of two parts—a fixed methods of portable corrective spart. The older methods of portable corrective spart and an act is corrective part. The older methods of portable corrective spartars have been tried by the euthor and abaudoned for the plaster packet method. After eight to fourtee days he applies the plaster with the patient suspended in extension of the spane. Preparatory treatment consists of normal rectifications sed extensive apparatus in make the spane mobile no windows are cut over the

eancavities nor are pads inserted to produce cor rective pressure. After the removal of the jacket the patient is kept recumbent and only gradually allowed to be up with support. The results are sometimes disappoaning the onganal deformity returning.

In the solber's opinion complete correction of the scolous deformity in impossible He regards the results obtained by Abbott as deformations of the theart emulating correction and not as actual correction of the spinal deformity. He deplores the fact that the causes of the disturbed equilibrium constitutional scolous are not known and therefore we do not know how to prevent or cure y than appeal is made to pathology whence the next word must come.

Sever J W: Report of the Scolonis Clinic of the Children a licepital Boston N Y M J 9 4, Edit 217 By Surg Gynec. & Obst.

The author reports the work of the clime for the sparse ending in June, 1913 Postural deforms use and deformatics of the thorax are included as well as physiological and structural acolosis. A total of 146 cases of postural deformatics cuch as round shoulders and hollow back, were treated with setting up enercises. The physiological sochoses were treated with daily exercises braces and jackete being cootra-indicated. The prognosis in cuch cases—complete cure such rotation to the concavity—was good. The total number of cases treated was 195

The moderate types of structural scottons are treated with removable fachets made aver corrected tonsos, with or without excruses. These are worn at least two years the jackets being remade about every are weeks. The severe structural causes are treated mostly by the head suspension method

The flexon method with polariton of root of the force and she poil as developed force and she point of the she point

SURGERY OF THE NERVOUS SYSTEM

De Beule, F 1 Two Cases of Forster Van Gehucten a Operation for Little s Disease (Deur cas d'optration de Försier-Van Gehucten pour maide de Little) A See beige de littur 9 4 zrus, 45 By Journal de Charurge.

to Beule used Van Gehucteo s modification of Förster's operation on two little guis ten years of age who had Little s disease

In the first case the lower limbs were to hype extension, the foot forming a direct continuation of

the axis of the leg. flexion of the hyp. Lies a not foot was unpossible welling was totally impossible and the child could seat herself only with great difficulty. There was closure of the kines of the state of the child could seat herself only with great difficulty. There was closure of the kines of the same banks is sup on both sides. Operation was performed under other ansachesias. It consisted of reaction of the last dorsal and first two lumbar vertebre monaton of the dura mater and laying bare of the seasory roots. Three hundles of the root fibers were soluted and resected. The dura mater was were soluted and resected. The dura mater was

close I with fine catgut the muscles and him were sutured and a large occluss a dressing applied Recovery was uneventful them from of c rebrospanal thuid were discharge I the tirst two days I here was a marked and progressive de rease in the spraticity of the luner limbs It present he goes to school Her walking is not perfect ther is a cer tain degree of fusticity an i the fet turn inward When she rise she stan 1 at fret on h r toe but in a few minutes the he is at luner ! Ance and ankl -clonus and Babanska s sign persi t

the sect nel case was a mild one Active and pus sive movements of the limbs could be performed spr ticity was him unly on walking for the past few munths there had been from me n crease in the diff ulix Ankle clonus an I Ba binski a sign were present the last two forest and

first two lumbar vertehra were reserted three bundles of root fibers were resected on the right On the left the fibers were lifted one by one on a blunt book and every other one was cut. The re-covery was afebrale. There was no discharge of cerebro panal fluid. The re-ult was perfect. The child now a iks normally There is no ankle clonus, but Babineli s sign persists.

The author m as some detail of the technique of r luctomy The nerve roots must be handled with great care f r they are very fragile. They should never be seized with forceps which crush them but should be handled with small him t hooks The lura mater should be sutured with a very time suedle I the sutures placed very cluse together otherwise there will be escape of carebrospinal fluid and danger of infection.

MISCELLANI.OLS

CLINICAL ENTITIES - TUMORS, ULCERS, ABSCESSES, ETC.

Rous, P Certala Spontaneo Chicken I more s Vantiestati n of a Si gi D scase Spindle-Celled Sarcom to Rifted with Blood Sinuses. 11 1 4d 94H 50 It har fines & Obst

Recently three trangiant of the tem tumors distinct a haracter has been fully Rous to have a filterable cause. The informal between these tum ? ar trac abl tu Iff note to the causats e agents. La h age t give be i normal I wil to tuniure I tile wert frum which it wa trolat d by fite toot I e same the gent I my d from a transplant ble t when losser me go es met sercomatous tumore to which artil ge and bone are lullan Crtaus mino mati us la c been i u dito ox u sch tumor tr # 45 1 tercurrent phenomena as frinatance the Il fth sin ma numn in the Isborat ry fth Rock fill fast tuta as chicke tumor \ t are n some chickens, f > 13 attenuated pindl f m in oth o t shaped or al mo t rou I in oth as int aspect to the accomat seguant cell The ourse f the 1-case series in in the idual fowls be Rout for 1th gro the to be al nas aspinelle lled sinom afit modife tio sto he not great rich to those observed in cream rat and mouse tumore propagated only b tran plantation nd d pendent on the urst I fa single race of cells

Attempts to br g aba t amations ly injuring the literable agent ha e bee un uccessful, as have attempts to mak a off et epitheli m Rous he heres that there is good reason to suppose that other tumore f th f wl besides those air adj studied ame cuscid by fit rable ag its. The fage in structure and beha for am g chi k a tumora is very wide. It when composed of cells of similar origin they f k mammalian growths after exhibit a strikingly arred structure and course

The auth r has found that two pontaneous chi is en tumor recently tran planted have each given rue tu na plasma t leutural na composite behavior s th a t mor stra a already under propagation Is in wa in the present paper the point peous tumor known as thicken tumor to 38 of the author sen a seems to be a manufestation of a de e miles alr ads reported upon and known a haken tumo to \$ This latter grouth as spendle celled san me mitted in a haract ristis menn ? with blood inuses and tending to metasta size t the muscles a pecially in the neighborhood

of joint the very significant article of Ross may be

bruth summanced as follow

That thick a tumors of m kedly diff rent t pe have liffere t filterable agents as their cause his been a roy of ly experiment already reported The present and g make it probable that thin ertain I m is t more of rather mous charact r may be i pende t upon a single gent The assumption a greatly simplified the toological problem. But the truth of the assumption for ther in tan a than those of scribe I in the present riicle can only be det run ed by the tud an I companion in many hosts of the scase-comples of which h post runs chick tumor i to be considered GEORGE E BETTER a an nds dual press a

Lange L B Certain Spontaneou Chicken Tumors as Vaniles ton of a Single Diseas t Simple Spindle Celled Sarcomata. J Est Md 9 4 xix 577 By 5 rg Gynec & Obst

among the pontan us ch ken tumors which the a tho of this ruel rece ti tuded the lah ratory of the Rock file Institut there were the spendic celled sarcom t that yelled on transplantation neoplasms milar re pecti els 10 two strau already der propagation resemblances of the growths den ed from hel a tumor to 38 to those derived from chicken inmor to 18 were teken up by Rous in the preceding article The subject of the present paper is ch cken tumor No 43 a simple spindle celled sarcoma apparently identical with chicken tumor No 1 The spontaneous tumor to 38 differed considerably the author found from the spontan ous tumor to 15 and only after the growths had been observed n many hosts was their close similarity recognized Tumor to as on the other hand in its original form striki gly suggested tumor to a and the transplantation growths were practically identical with those of the latter - both were produced by a filterable agent Lange show that the lorty third spontaneous chicken tumor received at the Laboratory of the Rockefeller Institute strik ngly resembled the first and that t ga e rm on tran plantation to an entirely imilar scries of neoplasma. Tumora of both strains are due to a filterable gent which remans a t in the direct or gl c rinated George I Brillian

N 30 W J Th Prophylaxis of Cance S g Phila 9 4 lix, 8

Il Sure (net & Obst Mayo tates the all rebrate emmals suffer from ca cer situ tions flocted by the h bits or conditions of I fe leading to local ky t the 1 ro teet mech nom Il believ that local le mo should be look 1 upon n t tion to without r gard t j t whit the a tu l an e of can cer m v be Th i m pre n rou h ull be lent ed to those contition wh h ln II nd m ro scope il cennot be ul to be rel being or surel malg t The ha t of the lis are ch ged thal kiff remated but as a tab re no intitratto f the er un ling tusu th periphre imig cellular hang i i nd nant growth and t des loped mal g a The local levent the in tation ad the ro cond to n the prob hl ac pt Il he is the state of the internation to the

groups. (1) "ge il I seq red nevelsam sub a sa mol w i lin g i more which m y l rg m ig ne (1) i m who h trough of ar h i the digner i factore but of ar h i the digner i factore but of ar h i the control of a month of a month of a month of the control of the

ex mpl th mo thi mixil tritton ni i amon t r. fib thd kj ti 1 loc 11 ne of the 1p fram m Lng lb hıʻ k ngri ч flkw gt m huhf mm r ih thnopu till ners h hm those roth h il mi la counh h n postli rt hint non the folkw g l 1 1 fue to diff re 1 rgs \ t m Iradani 1 ra I three

ing the local lessons due to infections such as harran of the bladder treponoms pallidum in lera tossis lingue: nematudes in testicular tumors in horsers and in gastric cancer of ratis and the horser cover of cutile due to the unitation of the ropes through the horms with which cattle pull their the hange lasket in Kashmir the cancers in these two countries would he reduced one half

The euthor then calls ettention to the importance I applying the evidences of local chronic unitation n the production of cancer to the solution of problems in regard to the development of canc is on the internal mucous surface of the body For example cancer of the gall bladder from gall stone sentations and caneer of the stomach following gastric nicer lifty per cent of cancera of the pelvis of the kidney are demonstrably uperimposed a extensive renal calculi formation Carcinoma of the appendix n ually occur in association with chronic obl terati e processas In the agmost and rectum th arritation a diverticula may have given in e to m begant disease. Cancer of the stomach occurs in to per ce t of all cancers in civilized man but is not common in prim t e races or in I wer enimals When caneer of a certain organ is found in only one class fa hydual or o a pecies it means a inche cause uch as betel nut cone r and hanger cancers r of the st mach mu t be lue to one cause of many the I wer animely and primitive races would be ro coften affecte 1 Something in the hebits and toms of ca lized men in on ction with the cook ing end prinarction I food must be respons bl for th large pure tage i cencer of the st mach comparative avestigate a w ull be fivalue

In a neclusion b as I would gen reall attention to the fact they reason gresson play the mot mop tann p ri of the kin was factor which surround the diel penets of a thri tuch pre-near us I one are proof eil by some habit or life cond uno which a use. I roun time to it all at where cancer in the human frequents ober tuly of the hist of ithey are the man in the human frequents of a limit of man a tail with jimut eracs a life commit where man life to an arcon put also reressor and a life of the history and they are the they are they are they are the they are the they are the they are

Losee J R and Ebeling A II The Cult ation of it man T saue in litro. J I p Med o 4 to 50 lbs. By S rg () or & Olat The present any tighted s were und staken to

or it a whither h muse connect c twee take of the hard crould be kept o a and tone of the hard crould be kept o a nd tone of the hard crould be kept o a nd tone of the hard crown the har

tumors a ere placed in human plasms and incubated the fragments in a few days, a ere surrounded by many cells but that generally inquefaction of the medium occurred and no growth was observed. In other experiments undertaken on normal tissues the same phenomenon was observed Therefore the authors, in this instance attempted to develop a technique a hich would permit them to keep human tissue in a plasmatic medium without the occurrence of liquefaction At first they attempted to obtain a medium that a ould not liquely under the influence of the tissue The first medium made use of was human plasma and estract of human tissue taken from fresh endayers This, however proved unaustable as liquefaction occurred about the frag meots of tissue in as hours. Many modifications of the medium were tried in order to overcome these difficulties Timally after many attempts had been made it was found that by diluting the plasma with equal parts of Kinger's solution a medium could be obtained which would not hourly in less than 24 houre and often not in 45 and 71 houre Usually if heure after the medium had been inoculated aith human tissue growth appeared and increased progressively. After a period of from 14 to 96 hours the fragments of tissue were transferred to a fresh medium in a such the growth continued The medium a as again modified by the addition of a small quantity of diluted extract of human tissue after which the growth became very act e

Finally after continued experiments, the authors found it possible to obtain large gros the of human connective tissue They could transfer this tissue from medium to medium. They therefore dem-onstrated that it was possible to keep a strain of human connective tissue in a condition of active life in rules for more than two months. They believe that when a medium has been devised the compose tion of which is more con tant human connective usage can be cultivated pire for an indefinite period Groser C. Beitas

SERA, VACCINES, AND FERMENTS

trone E. L. The Treatment of T tanus by Anti-By 5 rg Gyarc. & Obst

The author reporte a series of 25 cases collected mainly from large hospitals in the United Stat e and Canada The mortality of all treated cases was 61 27 per cent while m cases without serum the mortality was \$7 per cent From the review of the cases the auth poots out the necessity of combating not only the toxin which has reached the circulation but also the toxin which has already reached the central nervous system To remedy the first condition an immediate dose of Intravenously se socicated and for fi dition an immediate intraspinous injections will be necessary

The conclusions req follows

From these statistics it appears that the mor tality of tetanus treated by tetanus antitorin is about 20 per cent lower than the average mortality of tetanus treated without serum

2 The mortality of cases treated by efficient methods and adequate dose is considerably lover than that of cases receiving small doses subcutane-

Ously

The author appends the following outline fm the treatment of tetanus. The prophylactic treatment by antitorno is established. In a case where symptoms have appeared an immediate injection of 10,000 to 20 000 unite of antitoxin should be greet intravenously and 1,000 unite intraspinously On the following day the intraspinous injection of 3,000 units should be repeated. On the fourth or fifth day 10,000 unite should be given subcutaneously to maintain the authorin content of the blood. In addition to this serum treatment the ordinary treatment by sedatures, methods to aid elimination and the surgical treatment of the site of the in-lection should be instituted J. H. Skrika.

Falls, F 1L and Welker W 1L: Appearance of Non-Colloidal Ninhydrin Reacting Substance in the Urine. J Am M Ass 9 a lm, 800.
By Surg. Gyner. 2. Obst.

The authors used the following method in testing urine Ten com of unne were mixed with an equal volume of aluminum by drovide cream and the mixture was shaken and filtered. Ten eem of the filtrate a ere treated at h o a com of a ous per cent mehydrin solution and heated on a Shaddock horner for exactly one minute after boiling had begun, The depth of color was observed and noted after the tubes had been standing for half an hour t room temperature. In all the samples containing albumso the filtrate from the aluminum treatment was tested by means of the heat coagulation or Heller e mag test, in order to be certain that suf ficient aluminum hydroxide had been used to re-move all the albumin. They reached the following

The presence of non-colloidal ninhidra reacting substances in urne is of no value as a means of disground pregnancy a The reaction may be absent or inhibited in

the unuc of pregnant women as well as in normal

and pathologic unne

3 To the various unner treated the only differ ence oted in the ninbydrin reaction between the diffusates through parchment and the filtrates from the aluminum treatment was in the intensity of colore the aluminum filtratee showing a less intense color with mahydra 4 In the urines reacting postively with ninhy drin, the removal of colloidal substances favors the

products a of the blue color given by this reage ! with amino-scide Such urinre before diffusion treatment with aluminum hydroxide give a color sch is not so strong and has more of e reddish cast

m is not the result of the dilution alone

The occurrence of either ulbumin or indican appears to have no influence on the ninhydran reaction applied to the colloidal free urine ENWARD L CORNELL

BLOOD

Leapinasse V D Tha Treatment of Hosmorthagic Disease of the New Born by Direct Transfusion of Blood with a Clinical Report of Fourteen Cases. J Am. M A 974, km 866 By Surg Gynec & Obst.

The anthor reports fifteen cases of hamorrhagie disease of the new born treated by direct transfusion of blood The results in the fifteen cases were excellent the hæmnrrhages stopped at nuce in all of them and all recovered so far as the hamorrhages were concerned Two babies subsequently died of syphilis

The amount of blood transfused into the baby varies from approximately 100 ccm to 425 ccm In performing the operation great care should be taken that the blood does not flow into the baby too fast as it would be liable to produce an acute dilatation

of the heart. The donor is usually the father
The durat on of blood flow is approximately five minutes. One of the babies was practically brought back to life. Its heart could not be heard for several minutes before the blood was allowed to flow but the fresh blood started its heart again and it made an uneventful recovery

The author draws the following conclusions t Direct transfusion of blood stops the bleeding

and restores the lost blood 2 Direct transfusion of blood has cured where all

ather methods ha e failed 3 Direct transfusion of blood should be used early but so long as there is a spark of I fe evident

It is not too late for transfus o

BLOOD AND LYMPH VESSELS

Stybel W Arterios nous Angurism of the Com mon Carotid and Internal Jugular (Ancur) sms

arterio enosum der Carot comm nie ad jugularis int rna) D secret on Munchen 9

By Journal de Chirergo

After a general discussin of the t tist 2 and surgery of aneurasms the author describes operated on by Gehele It w a spo t artenoveno a aneurum of the common carot d ad internal jugular Th o yea oll pats at had catarrh of the pex in 1900 and shortly afterward noted a small tumor in the middle f the right i le of the neck. It was regarded as a gland an i tre ted with iodine She becam emscrated wa tro bled with dissiness fainting cough a d difficulty breathing Aneurism was recognized at the Mun chen Surgical clinic There was a pulsat ng timor apparently consisting of two parts round a d the size of a dove a gg under the sternocleidomasta d No improvement followed the application of ce and

gray salve on the contrary it grew larger Opera tion was refused and she was discharged

In 1904 the tumor began to grow rapidly and in 1905 it was operated on (klausner) The right com mon carotid was ligated and for a year there was loss of voice and continuance of symptoms but in 2002 there was return of the voice and improvement In tora it grew markedly worse Wassermann test was negative On examination Gebele found a tumor on the right side of the neck as large as a man a fist passing upward into the submaxillary region without sharply defined boundarias and extending downward to the clavicle and to the jugular It was a pulsating tumor fixed to the underlying tissues The larynx and traches were displaced to the left. The circumference of the neck over the tumor was 40 cm There were technical difficulties in laying bare the vessels Forty cem of gelatina was injected subsutaneously It was well borne and the injection was repeated The tumor decreased 2 to 3 cm The hereditary offere is nateworthy FRITZ LORS

Gilson Hermann: Arterioren us Ansurism of the Internal Carotid and the Internal Jugular (A furum ritinoso- mneux de la caroude interne t de la juguistre interne) J d ch belge, a 4

By Journal de Chirurgie The author had occasion to operate for an arterio-

senous ancurrem of the internal carotid and the in ternal jugular in a man of 48 followt g a gunshot injury in the region of the left carotid The accident was followed immediately by a serious hemorrhage the by the formation of a large hamatoma it was not notil two months later that the symptoms of aneuram preared suddenly A diagnosis of aneu n to of the internal jugular and internal carotid was made and confirmed on operation. The sepa ration of the internal jugular and inter al carotid was impossible an account of adhesions to each other and to the ne ghboring tissues so it was decided after e r fully dissecting the pneumngastric and the d scending branch of the hypoglossal in ligate the c mman earoud and the internal jugular. The oral ce ol ammunicat no was laund A large drain w placeds the low report of the wound and it was ut red. The next day the patient bad no symptoms his temperature and pulse were normal. a dh was able to read his paper in bed The drain was removed on the fifth day, the sutures on the 18th and he left the hospital completely well on the twellth

Such aneurisms are rare and almost always of traumstic origin The mortality is high -6 n t of cases -not so much an account of the difficulty of the operation but because I gation of the common caroud is often followed by fatal cerebral symptoms such as convulsions come and cachexia. The uthor tried to determin the cause of these c rebrul disturb nees following ligation of the commit caroted He injected the corpses of new born infants with Leichmann's fluid after having I gated the of this hypothesis

enmman carotid and found that no factal ar cerebral area was deprived of its blood supply. He thinks the mechanism which produces the trouble is as fallows When the common caroted is light d the di tal atremity of the ligated artery is temporarily depressed of blood. The artery being very classic contract. drives a part of the blood in it into the collaterals and then dilates It this time in this part of the carotid negative pressure is produced. The blood reaches the circle of Willis through the basilar and postenor communical ng art ne this man at a ventable flood of blood aters th internal carotid. When the collateral circul tion ts tablished a great quantity of blood reache the external carotid through the superior and inferior thy road and increases the engorgement already exiting in the common carotid. This abnormal volume of irculation he thinks detaches a clot a 1 causes fatal embolism I mbolism is the most fre quent complication and generally take place a number of hours after the ligation M re caren ments bould be performed to determine the truth

Moorhead T G : Treatment of Lymphosarcoma by Benzol Ved Press & C c Cynec & Obst

J Desert

The author gives a prelim nary r port of one case of lymphosare m treated by benzol Ti patient came to the bospital complaining of a ugh difficulty in bet thing and a swill g on the right sid of the ack. The examination howed mark d w lling of a group of gland o the right side of the neck a 1 a s milar but smaller sw ll g on the left side There was di tinci dullness on percuse not ribe manubnum terot and the car diac d Il can was incr ace | In 1 ray namination how d th presence of a large npage mass flling up the greater part of the supe our mediast n m nd apparently xtending down on ca hade f tha pericar hum. The pleen was pulpable lut not ten ler White cell numbered 11 100 per mm The W warmann test was night I

I has one of him ho-aroms we made and it was die mi dito try lanzol A drachm of the drug was given at first b t the dose was rap fly in rreased until fi lachma daily wer go n 1 rat

apposure witt gi e twic weekly

fine e is us in the present to as follows. The glands in the neck his e imost r mplet by disappeared the dull ess aver the manubrium sterm has go r andth cough and husk ness have been much keeined The pat nt leeps now a thout trouble anl in e ry wy leel mu h bett r The author houses to publish a more amplete port later on AS H SAILE

Bunting, C. II Hodgkin's Dusease. Bull J har By Surg Gynec & Obst.

Bunt ng s interest in Hodgkin's disease dates from a series of exper mrats performed in the Isboratory of Flexner at the University of Peansyl vama in 1903 His experiments at this time led him to de elop a working theory as to the pathogene sis of Hodgkin's disease which he still holds, though in a modified form

His conception of the disease was that the changes in the lymph glands were dus to the altration through them of a toxin laborated at some primary focus of infection and were to consequence entire of a eccondary nature - an end result In beef he believes that in Hodgkin's I sease there is a primary group I glands which for a considerable lrngth of time protects the body from the tons

claborated by the infectious agent

The uthor studied the material from twenty eight cases of Hodglin disease and a stud of these cases from a pathological standpoint has trength ned his conviction that the lesion of Hodg Lin s li-case is essentially finilammatory nature In summarizing the author holds that Hodekin s hacave t n inf ctions d sease due to a diphtheroid argam m the lucterium Hodglini A primary leson may ft n be f und at the portal of entra While in some cases the organ sms may remain for a long t me localized to the vicinity of the portal of entry in other cases they rady gain ratrance into the general c reulation and may he widely distributed The organism and its I ain show a special effinity f r lymphoid tusie and produce in this the charac t ratic hanges [Hodglin's disease change var] ing somewh I according to the intrastly of the tone, tr sulting ultimat ly in the sclerous of the glands. There t at the same time an interglandular i flammat ry process at times vary acute but it ult There are also tng finally n a dense sclerotte tissue charact in the blood in nges in the disease

The glandular changes can then be considered nly as the result fa taxic action and contribute t the patients de th m rely incide tally when ertain gland groups re tensi cly enlarged. The il al the enlarged glands though atypical sho none of the antagonism in the athe body cell charact ri tie of malignant acoplaims

GLORGE E BEILEY

Buni ng, C. H The Blood Picture in Hodgkin Disease. B II J b II pk Hesp o 4 xxv By Surg Gyner & Obst.

B ni ng has been able in tudy the blood necture n (w nt) two eases of Hodglan' disease n which the hagnost had been established by the h st l gr cal examination of a test gland. The tudy of the blood in these cases has sho n that there is a det ation from the normal leukocy ise picture in lie see hat the there is not a single constant picture | nd an them Inst ad it is possible to d vid it cases into two listinct gro ps according to the daff renti l count of the leukory tes

The first group including cases of a y ar or less n durat on, sho s a normal or slightly reased tel leukocyte count with a normal or dec sed

-reent ge of polymorphon clea or trophik

The second group includes the cases of greater duration for the most part and shows a sharp leukocytosis running in one case (as far as could be determined from the mear ratio of r white cell to o red cells) to at least 100,000 leukecy tes per cmm This leukocytosis is accompanied by an increase of the neutrophiles to a percentage between 72 and 00 - a percentage ordinarily consider d of value in diagnosing a suppurative process in the body yet occurring in Hodgkin's disease in the complete shsence of pus formstion

Throughout the disease there are two constant features an increase in blood pistelets and n abso lute increase in the transitional leukocyt's In gard to the other elements in early cases there is a transitory increase in lymphocytes and base philes and a deficiency in cos nophiles with a normal or low neutrophile count followed by a gradual decrease in lymphocytes and a mode ste cosinophdia. In late cases there is a mark d neutrophile leukocytosis and a diminution in percentage of all other elements ex ept the transitional leukocyte

GLOADL | BRILIN Yates, J. L. A Climical Consideration fillodgkin

Il ph Ilasp 9 4 XX By Surg Gynec & Obst 80 hates like Bunting believe th t Hodglins dis ease may he consid red an infectious non conta gious affection due to the hat rium Hodgkin. It is characterized by a somewh t anable though defi nt reaction n th lymphatic and penlymphatic tru ture specifich nges in the blood p cture and by the manuf st tion of I til or no tendency to

Drease Billh

spont neous recovery It appears to the autho th t these cases clearly in licate that pamanly Hodgkin's disease is a lo calized process sceptible of ure who properly ir ated as a m I gn though chron fection It may per ist for years without manifesting tiself

e n th blood picture so that cures may not be ssumed until sft o un ni rrupted d ration of ye rs I persi te the normal condition

A so areign rem dy loc all cases is not now co cen ble At pesent the greatest need a some ther peut sgency to ntrol gland not d rectly access ble froce ten ion which may occur a ly has ea hed ther the th rax prognos be m lativ ly in tabsolutely hope

H m nn C A Ligation of th Innominat 1 5 1 Itala 9 4 h 95 B Sutg G nec & Offset Artery

t fthemir que v fig to of th m t rt y the autho r po t h 24 Ihe ase w that I wmn ged tyeight h h teompla edofp n I lift uity using the night am Lat a pulsat g wiling le-I pelisbo th night I icle about the ice fa gg Ih oly pthig cod to aside t om the wa movierate grail rteno-class

First an attempt was made to insert a fine silver wire into the sac about 8 inches-no improvement of

the local condition resulted Ligation was next attempted. The inci ion was made along the antenor border of the sterno eleidomastoid and along the upper border of the rla ack forming a triangle esposing the deep strue tures of the nerk. The ancurism involved the thirl part of the subclavian artery and estended nn ler the calenus ant cus The sternohyoid and st enotheroid were cut and bout two inches of the clavicle resected exposing the innominate artery This tes el was I g ted with a heavy silk higature and found to be atheromatous. The common caroted wa also tied with chromic gut

The case recovered completely and no trace of the fo mer ancunsm could be felt. The radiol pulse a absent

The author h s collected s t tal of 53 cases of of the innominate artery 4 of which were succ salul In these rases gangrene was not noted any although disturbance of cerebral circulat on occurred a number of times The most common e use of death was second to hamorrhage most of these occurred a pre antisent c days

LLECK

RIECTROLOGY

Heineke H. Ti cory of the Effect of Rays, Especually of the Latent Period (Z r Thione der St ahlenwith ng t skenondere ber die Latenz s ()

Al hen med li h hr 0 4 l 807

By Aentralbi f d ges Gynak Gehurtsh s d Grenzgeh

Hertwig studies show that rontgen an I ra I um rays ha their rh ef ficet on the nuclei of the cells and pecualty o ell divis n which takes place in a ve y ah o mal way after praduction life ex plains the apparently slighter effect of larger loses by the fact that the capac ty of the rradiated cells for division s destroyed. The nucl us of the arradiated cell loses to caparity for his n but Leep the apacty f lert | zing or b ing fe tilized a d s not I rectly kill ! The demonstrat on of the fact expl s the puzzling later t penod n irra distion

I all no m I and pathological cli of the an mal certuo term of bie ft ruh h they die body h and d sppca if the capacity for reproducts nes destroy I a siel ct n th tissue mu t an e at the eod of the physilogial tem of life This is actually the case when the capacity of the cell for destroyed by radiation Just after the divisi rra is too the cells at pear m l p cac thy how ese the le with the hist logical picture of cell degen r to L d r th se reum t nees the feet of the irra hati n mu t appear t the 1 of th late 1 period the | gth I whi h corr po is to th I gth [11 of the cells affecte! The most h aut ritiem mif tat n fth is sich in thel te ule ra wh h sudde is ppc sometime m nihs after the rradi t on n n apparently m I la

This inhibition of karyokinesis is the characteristic reaction of the cell to a certain moderate dosage of tays, which is biferent for each Lind of cell A smaller dose stimulates karyokinesis a larger one not only inhibits it but bills the cell directly. This law sardains only the most nateworthy phenom us of istsory and does not hold good for the receilen of all cells in the rays. In some kinds of cells there is no latent period for example the nurici of lympho-cytes are destroyed almost immediately after irraduation and the reaction begins at the same time whatever the dosage The differences in the sensi tiveness of tumor cells to the rasa is explain d d we go back to the tissu a from which the tumors originated and determine their quantitative and qual taties differences with regard to the action of K. Hatrusse 1334

Ilaliam J: Protecti e Effect of Radium Lenana tions on the becondary Sexual Characters of Tritine (Frut kil a tink g der Radi memanateos uil der arkundaren Sexualsharakters der Triton a) Z si auf f Gradt 1914 xx su, 464.

By Zente Ha f d gra Cypak u Cebutch a d Grenigeh. Small doses of radium and tuntgen reys ha a a stimulating affect hastening the germination of sperm in ceitain species coming parthenogenesis of unfertilized eggs, increased activity in the le ef opment of the autodorm in fentilized has eggs etc. Larger loves have an inhibit ty select inhibiting the treath of fertilized ove of Bulo viride and Triton alocatra and killing growing mice and other plant and animal organisms. Radium moreo er has a protective effect on the secondary sexual characters for example in male Tritons the creat which des lops in these animals at rutting time develops to a much greater legree when the animals are kept in vessels and subjected to the action of a certain quantity of redium amanation. This crest cen also be des loped in male Tritonsshortly before and after the ratting period In female Tritons symptoms of sutting can be developed a long time before the rutting period the yellow atr pes on the back increase in size and become desper in color It is not yet decided wi other the emanations act directly on the seaual characters or whether th y stamulete the sexual glands to greater activity and thet this acts secondarily on the sexual charact ra

IMM LHAN

Martung, A.: X Ray Hindings in the bornal Stomach, Surg Grace & Oks. 1914, will, 757 By Surg Grace & Oks.

After briefly mentioning the technique used in making runtigronologic astumitions of the formach the euthor describes het organ as It appears it pred in making runtiground and in mution in apparently normal individual. Due allow sare being made for individual versions, such atmaxels confarm in shape either to the faith book or the cow born type first described by Return and Holarhecht respectively. Schlesager who classifies atomicals on the bases of ther musted tensus calls the latter the hypertonic type and dwikes the other into orthodoxic hypotonic, and atomic types.

The position which the normal timm is occupied in executibly vertical or oldque although here also outside indusers may induce merked variations, Sue determines one are of thitle value accept insofar as it is possible to be able to ascertate how the stomach sets of definite amounts of the opaque me I are registed. Narmally the stimmich will adopt themselves closely around its contents.

Minimon is salled to the multiplicity of names applied by different authors to the same parts of the stomach and a greater unformity of nomenclature is urged based preferably in the nantomic days in by borsell. The stomach is described during the process of filing muning of its routerals, and emptying. Ment on it made of the periateliss and phaneter action concerned in this process.

Sellheira II : Irrailation of Tumors (Strahkebehandlung on Geschwihten) Desirche mat Webre in 19 4 1, 22 By Zentralik L. d. ges. Gynak. u. Gebartsk. a. d. Georgeb-

This is a propagated for the precump of radium, in such the subter reports the effect of outgrad and radium rays on hing and insset both the superical and deep feet. He gives the differences in practitability of the different kinds of rays the total rate and gamma radium rays, and the effect of metal hiters the different degrees of sensitioness of normal and publiological tissues, showing the degractures effect on the general glands and terminate the subterest of the property of the subsequence of the

GYNECOLOGY

UTERUS

Cobb. F : Cancer of the Uterua Best M & S . By Surg Gynec & Ohat. 1914, dxx 861

The author summarizes the value of the paper as follows

It gives a complete analysis from the stand point of end resulte of all the cases of cancer of the uterus at the Massachusetts General Hospital for fourteen years, from 1900 to 1913 inclusive 367 in number of which 70 were my own personal cases It emphasizes the importance of early diag

nosie of cancer of the cervix and distinctly shows the possibility of cure by the extended abdom nal (Wertberm) operation, and describes certain original methods of operating which are of importance

The need of awakening the public to the fact that irregular bleeding at any time in a woman's life may mean cancer of the cervix or uterus and should be investigated is shown by an analysis of the 367 cases reported of which 230 63 8 per cent came too late for a radical operation. In Wertherm e etatistics, 50 per cent were inoperable The ignerance of the laity as to the nature of the disease the insidious onset the neglect of medical men to examine their cases or their inability to recognize the importance of cond tions found are responsible for this high mortality

Irregular bleeding is the most common extly es mptom pain is a late symptom. One year was the average duration of symptoms of the 230 moperable cases Seven to eight months was the average duration of I fe in the cases not operated thirteen months in cases in which a palliative operation was performed Palhative operation is etrongly recom mended to rel eve pain and hamorrhage and prolong Curettage and the cautery are most useful with the local application of acetone or f rmalin hetween curettings Radium may be tried and general tome treatment and the use of onum as indicated

The autho had good results in eight cases in which he supplemented the curetting and cautenest on by opening the abdomen and ligating the internal iliac arteries the relief from pain and bemorthege was remarkable Both internal iliac arteries are tied with ilk and the bdomen closed without drainage and by thus stopping the blood supply the mal guant growth is starved and pain and hamorrhage re-

In det running which cases should be operated upon the necessity of an exploratory laparotomy is ad ocated If i is decided not to do a radical operation the pallist te perat on of ty g the ioternal hac arteries can then he done. The general condition of the patient must be considered. A long tedious operation should not he done in a feeble subject nor in an extremely obese patient. In the latter cases a vaginal bysterectomy is ad vised The possibility of determining the operability of a patient w thout opening the abdomen to explore is considered very d fi cult

Wertherm report in 1912 showed he had done the radical operation 675 times 380 were done over five years previously 160 of which were cured over

4 per cent

In the author a senes 17 vaginal hysterectomies were performed with no immediate mortality Fourteen of these were done over five years previous. eight of which were traced with two cures as per cent As 10 per cent of cures is the average in vaginal by eterectomy it is advised only for cases in poor condition or cases obtained very early in the course of the disease

Abdominal hysterectomy for cancer of the fundus was performed 27 times with an immediate mor tality of a Tourteen cases done byn years or more previous were traced showing six cures, 42 8 per

Abdominal by sterectomy for cancer of the cervix was done in So cases simple hysterectomy so times and radical hysterectomy 40 times. By radical bysterectomy is meant the removal of the uterus d a liberal portion of the vagine through a median abdominal incision with thorough dissection of the ureters and hiadder and the removal of as much of the parametrium as possible, the regional lymphglands heing removed only if palpably enlarged A plea is made to have cancer cases treated only by specially true ed men to whom this radical opera tion is familiar. It is believed that a much greater percentage of cures could b obtained by men spe-Calizing in cance case In the 49 simple hysterec tomes the immediate mo lofity was 17 or 34 6 per cent Of the a6 traced ca es 5 were cured, 10 per ceat. In the 40 radical by terectomies there was an immediate mortality of o or 22 5 per cent Of the surn ang 3 cases 14 had been operated on over five year, ago and 7 were cured 50 per cent. Septic perstonit s and shock were the most frequent causes of death in the abdominal by sterectomies.

The important factors in the radical operation

I The preliminary preparation The anasthetic with special reference to the prevention f shock

3 The abdoounal mession 4 The freeing and handling of the uret ra Removal of the parametrum and glands

Control of harmorrhage

l tevention of part teal infect n nd im l'antata n neta tans from the growth stalf f Brainage an l'after te atment

In preparing the 1 vicinit the lunctional renal test is the 3 per nature 1/2 or after an heat and the tablead specialty in 1m axes with care we harder these currenting and vicinit must are 1 he at more things currenting and vicinit must are 1 he at more than 1 the 3 face t time a allowed 1 r the p tient in 1 me. The sagmant it is not leaded upertain in 1 me. The sagmant is not subtract in sought and water and a t a room belief led 1 he used and water and a t a room belief led 1 he used table the sagmant 1 flew that the tient is not a sagmant 1 flew that the same and the

The air of the opt I by a by I brac of morphic and throog a marque. I make a faction between the wall and this lambars a tebre flower to make the post as expected with up to make and it of by the same through I had a fact through I had a fact through I had in problem to we have a cree block.

I king nied in al formulations on is made from love the umbit is to the strephy it the interpobrath of the section being I cled also the year often if me is not

The a tile method (handling the unet e l a Alt tibe arran atters ha beant I ad the rould to at pened p th j at a un being hild bove the liure to i fthe sless et thes the ut ter 1 walls ng n th tance and just to a jett natil palite fruil greet the sternshilt att 19 th n proland tool with he me tgus aft t hi h the introtpent at la rof tl I roullam t musullulanthe trm l ny but nih befort nith i wart want the ut tu g rall I tib the ret rand bout hill or the quarte I tuch wylemu ad the gh hall ninch wie winit tit th dita all whiten I pawl grounding the t n be mal nih uret r without STORE WALL

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cate limit at many the major lamp toward
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onghet and I bland being will

reference to the control of the cont

spoot tree date of 1 talk n trolling hemorrhage to lost selly to life et ly nog t trad that dis hold me uze tray ha ng trough the gina thy restrict the fifth day and r mo ed an n brisk fit blot m day and r mo ed an n brisk fit blot m day and ging us used it a sary lette freneat

ment the had of the bed is elevated sult volution given pet it turn as indicated and continuous cathet reasion implyed for three or liver days with uniting he by mouth to prevent eyetit s.

five out I the last ux cases operated on by the author has a been cured by the radical paration.

Degrals, P and Bellot A: Cancer of the Lierus, and Radiom C and Pract of Rev. 1914 112, 334- By Surg. Gynes, & Obst.

The authors gas very consists it is result in the radiust it aim in I cance of the uterus and its races was mining radiusts risk. The ais action as it between the lift and groups of the result in the lift and groups of the result in the res

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impro mant lang durition I in some case on h m t ear h the p inents tums to the c dusal rise oun ital c and too as the atheus to she hit so umbed to agreet it sem of long t lung is unject ble came of the cet x the author I t plantary untiage. The authors he intact is a case of surround

In authors he intend is no ease of staronta or he are no that re. The next we mush there in an began art y w p i has n direct old accordance to a plane it he pels access under no neuropolation has she n great mpnus men. It is tell hattod pel it dign who ag the tas thought if ug rad um traitment leaner there is a though it is the control of the contr

Rassoftedoff Primary Results of Radium and Roatg at Treatment in Inopurable Cancer of the Li russ, and in Past-Openati Recurrences Use is march Res list der Radium und Roatge ihr i inog blem Gebärmatterk is nell will ik dien) i sek 65

its de state of the state of th

Combined treatment with radium and confeen rays hastens the beginning of the reaction without have gany effect on its severety which depen is more on the extent of the process 1 he weight ge erally decreases in the beginning of the treatment in some case the decrease perests in others the weight gradually returns to normal Blood esamination does not gi e umform re ults The local changes Ordinarily the di charge is at fret increased an I becomes scropurulent. The odor disappears and the hamorrhage stops usually after three to f ur weeks. The tumor contracts the ulc rs be come clean and covered over with a fibrous laver and stenont takes place in the vage a oron 1 the uk cretions Infiltrations disappear and soh i hand take their place I our detailed case hi tories are myen with the microscop c findi go before and after

rradiati n from he experence the author comes to the

follow g conclusions In moperable es near of the uterus in recurrences ond n ases that are not very frad uff c; ntly intense combi cd treotment with filtere f rad um nd runtgen rays produces mark d mpro meet or even clinic I re ov ry with the di appear ance f all symptoms buch impro ement has before been obtained with 3 L d of con servate e local treatment. Ca cer cells are un d ubtedly destroy d by a ufficient dosage of r v In two c ses th de truct on of ance c ils wa microscop cally demo trut dt a denth of tem Deepe layere w s not xam ne i a d th auth r therefore cannases n one n in regard to them The perm nt re ult sannot be report d as the time too h rt-94 83 4 nd 54 day

Lahm W Lifect of Radt in Mesothorium Treat ment on Carcin m of the Cerux (Uber dea R ds m Vesothon m b strahlung tda (r. arr nom) M sel k f Geb th 1 94

1X 79 It, & tralbi I d ge. G nak u Geburtah d Grenngeb Th auth m nt ns that the results of readra in reducto that nation as the rays, supplement the lucopt fermion lestron the lestroy the tum r t 1 by bit by ph gocytosis nd it is then to the co cluson from the exact observation and m at n f re noma f the cervix trested t nt ry 1 f8 l 3 w th 4 000 millig m houre of mesoth ri m 5 m lugrem h n s f rach m It i re d n ze an l th hist logics f examina to he wed ha ge which led to the conclusion Гh tih ly ase which han otronhy f t sau d rgs t kes tl ce through phagocytosis as Net h k fl a d hs tud nis h v show pa t n the destruction of nor thagor tos pl m lorg as th m t m rpheus f many animals n the transformation of the ricular nst un w nd g h loth man and the disappe nce of th t le tadpol It is nt rely possible that

carcinoma metastases may be influenced in the way This hypothesis having been recognized the dosage should be regulated in accordance with it and the phagocytic properties of the blood stimulated in every way by the injection of autolysins blood or erum The same principles must be followed os those generally recognized to immunization against infections If metastases have occurred or marked cacherna small or moderate doses should be given at first in order not to overhurden the reactive capacity of the body and thus bring about the opposite condition to the one intended

F HOLLA

Schickeie G | Clinical and Topographical Ana tomical Study of Myoma of the Cerux, with Remarks on The Operati e Removal (h) o ische nd topographisch anstomisch Studi n über Consumyome nebst Bemerlungen the thre opero Internung) Zie h f Gebu ish u Gandh

1014 lzm 684 By Zentr Ibl f d. ges Gynak u. Geburtsh d Grenz, ch

The author tries to make cleor by a series of cases the loralization direction of growth and relot ons of myoma of the cervis to neighboring organs and to draw practical conclusions to regard to operation from these fact

Large myomata of the postenor wall of the cerst had to obliter t on of the post nor lip of the os and to typical displac ments of the uterine artery out ward and of the bladder and body of the uterus upwa d The ureters are generally I placed out ward or downward od not bited upward the latt r is only excel tionally the case if the p imary seat of the tumor is beneath the ureter and there is pronounted growth of it into the parametrum or if there s a secondary nodule on the primory tumor that grows into the parametrium. Ordinarily these myomsta grow uniformly in all directions miler conditions are found n myomata uf th anterior wall of in ro glomerat one of myomsta proc eding from the aterior or posterior well

The topog aphiesl displacements of the neighb r mg o gan e mor complicated in mult ple my oma tous nodules separeted from one anothe here there is generally displacement of the urcters upw rd the nfund bulopel c bgament and the adnesa n be dislorated upwa d os well as the sigmmed fie are These displacements however can always he espla ned by the original position of the tumor d the direct o of its growth. Therefore it be comes necessary f possible before the operation or at any rat of the beginning of t to determine the topographic f relations. This can be partfy ac c mplished by est nol ond combined ex nunst n best by t ansverse incision of the ontenor persone m and examination of the tumor comple from bifore backwards This go es a certain typ cal method of oper tion the most essential point of which is the e fy exposure of the nt nor will of the cervi and mersion f th vsgina As to the growth of the t mor Shickele com t the conclusion that n

general it takes place equally on all sides and in a straight him but it may show an unsymmetrical growth which is not dependent estirely on the resistance of the neighboring parts, but is influenced by the contractuity of the utsing musculature

mature .

Beckmann W Study of Hererologous Mesodermic New-Growths of the Cervix (Zur Acantus der heterologen mesodermalen Acubidungen des Gebärmuterhalses) Zinke f Gebä ikk

u. Gy ## 914 lxxv 566 By Zentralbi i d ges. Gynak u, Geburtab s. d Grenzgeb. A 22 year-old nullipara with a bilateral catarrh of the apices had had a white discharge for a months and at the last there had been an almost contloyous bloody discharge The varias filled with a soft polypous tumor as large as a fist originatrae in the cervical canal The cervix and internal os admitted the finger, the cavity of the uterus was not increased in size and was free from tumor There was thicken ing and fangthening of the anterior lip of the os from whose surface arose souther tumor as large as an egg. There was also a tumor of the posterior lip which extended tota the posterior vault of the vage The parametrum on both sides was infiltrated Under lumbar anzethesis the tumor was removed with the finger a sharp curatte and scissors cervical cavity was cautenzed but radical operatinn was not undertaken on account of advanced cacheria infiltration of the parametrium and suspicion of sarcomatous metastases in the lungs Three weeks later there was recurrence after a more weeks there was involvement of regunal plands and a large tumor reach; g to the umbilious and extending out of the introitus vagina was again removed with the fincer and scusors. Cautemention was followed soon by death. The diagnosis was sarcoms of the cervia and left overy

A detailed microscopical description of the tamor is given and it is compared with others described by other authors. The tumor was of embryonic tissus from the mesoderm which by unlimited proliferation of cells formed a sarroum. The ethology and course of heterologous eryscal sarroumsta are discussed.

Benthin W Erlology of Myuma of the Uterue (Zur Auslane der Uterusmyome) M saticke f Gebertik a. Gysäk 974 kkur 50 By Zentralbi f d. ges Gynal Ceburtsh a. d Grenzeh

In reply to Freunds suggestion that defective development in general and of the gentialize in particular is responsible for the development of fitnemy-marks, tan cares are published in both of which there were multiple myomats of a hyparticular in case there was also a septim of the vegina and in both cases doubts simbing in the series of the series as that these are the only cases of assonably of the attention of the series of the

among the 24 cases of duplication in the gentalia Genetal animalies, therefore can hardly be considered seriously as a cause of fibromyoma Moos

Mahler J : Myoma Heart" and Deep Irradiation ("Myombers und Tiefentherspie) Med Kl. Berl. 1914, z 588. By Zentralik f d. ges. Gynik, u Geborisk ; d. Grenzek

my Zenizalni. I de gas. Cynik: u Geboruks. u Genzugh.
The author believes that the pathological changes
in the heart found on autopsy of women with mymain are the tinal result of thi sipiry caused by
hemorrhages and the change in niviran function.
According to hos expenseous the first heart symptom
observed in myomas cause are functional disturbance
to which symptoms of hypertrophy and dislatation
are added later. The cause of these symptoms up
to help also are considered in the found of the control of the co

In 11 cases of myoma with heart symptoms and demonstrable changes to the heart the author got marked improvement by the use of rontgen rays The subjective symptoms disappeared first, and later the objective ones the most important change licing a retrogression of the dilatation. Results were obtained is three cases in which there was a beginning lack of compensation Heart changes and animus do not constitute a contra-indication to arradiation of the myoma. In one case a marked fall was observed in the high blood pressure. Five cases of characteric hemorrhage were also favorably affected by deep uradiation. The most lavorable effect of the arradiation is due to the fact that the overlan secreting which has been changed in quality is either done away with or brought back to normal The technique of the irradiation is described

Dona

Broughton Alcock, W Treatment of a Uterins
Abscess by Sensitized Bacilli Protei Brst. M
J q 4, i : se By Surg Gynec & Obst

The author reports the treatment of an abuxes which demond through the cervical stump bolloway a substant by the results of the contract and the state of the contract and the c

On the righth day after the last imperion of these dead bacills so cent of blood was taken from the parent and used for the preparation of an autogenous vaccine consisting of living bacill sensitized by contact with the seruin of the patient a blood, which was rich in amborceptor and specific galutinating qualities.

On the tenth day after the last injection of dead bacille, injection of the sensitized autogenous varcine was commenced one injection being given week, by for four weeks, and the dose increased from four hundred milhon at the first to one thousand indion at the end Very slight reactions followed the in jections At the same time the abscess was washed out with a dilute antiseptie solution. Although there was no evidence of pus after the lourth injection, four subsequent injections were giveo six months there has been no evidence of the infer C II Dass

Miller J W: Corpus Luteum Monstruation and Pregnancy (Corpus Luteum, Menstruance und Grandstat) J. ch. J. G. M. pap. cs. 568 By Zentralbi, I d. gra. Gynal. u. Geburigh. s. d. Grenegeb

There is a fixed relation of dependence between ovulation and menstruction and the rupture of the follicle precedes the menstrual di tharge by about o days The corpus luteum is en thelial in nature This hypothesis is supported by the history of devel opment and the appearance of colloid drops. In the development of the corpus luteum there is first an increase in the theca interna by the deposition of fat and theo an increase in the granulosa cells by mutotic d vision. After the rupture of the follicle the granulous cells are transformed toto lutero cells by taking up I poid combinations and Jellow color ing matter then follows vascularization and immi gration of connective tissue theo retrogression At this period ceutral fat can first be demon The corpus luteum of pregnaocy is distinguished

from that of meostruction by the almost complete abse or of the lat reaction colloid degeneration and denoutron of calcium. The corpus luteum causes the cyclic change in th endometrum and the decidua and makes the implantation of the ovum

In connection with Frankel's e periments a case is reported in which after the beginning of preg nancy the corpus luteum was remo ed and retrogression of the terus took place without abortion siter the type of the absorption of the egg-chamber in rabbits Lactation atrophy is not a reflex trophoneurous but the result of the withdrawal of the corpus luneum The toxicuses of pregnancy may possibly he due to hypofunction of this organ Among 40 to 50 ovaries remon d by operation the corpus luteum was facking to on case of eciampus. In another case of eclampsia there was a cost in the center of the orpus luteum \othung could be seen of the normal epathelium. An internal secretion eagnot be demonstrated as rul by the complement fixation method for the hormones do not cause the f mation of actibodies Experiments with vital staining ha c as yet had no results. Menstrustion is only an unburdening of the hypersonic uterus Ruttuog and me struction are different phenomena The menstrual blood is possibly a nutrient fluid for the ovum. The teeth day before the beginning of the new period is the most suitable time for artificial impregnation Only the ovum of the first musted period is implanted. The duration of pregnancy should be reduced to days BENTHER

Driessen L. F : Endometricia, Resulting from Abnormal Menstruction and Causing Profuse Harmorrhage (Endometrius folge bnormaler M nstruation, urache proluter Blutungen) Zen-i alki f G, ak 19 4, xxxim, 6 8 By Zentralbi, L d. ges. Gynkk, u. Geburtsh, s. d. Grenzgeb

Driesseo examined a series of women some of them totally and some of them probably sterile and discovered a peeuliar kind of codometritis which he called incomplete post menstrual pecrobiotic andometritis the clinical symptom of which was proluse hamorrhage microscopically it was manufested by necrosis hyaline degeneration in filtration with multinuclear leucocytes dilatation of the vessels cystic dilation of the glands problers tion of emibelium and deficient glycogen also by signs of incomplete regeogration of the mucous membrane such as are found in endometritis follow ing abortion The explanation is os follows

to the normal course of menstruatino the mucous membrane is cast off and a new one lormed but f equiation or menstruation does not take place normally, the casting off of the mucous membrane m y not be complete and the remaining necrobiotre namicles cause an incomplete regeneration of the morous membrane as do the remnants of an abortion or of the decidua Recovery can only take place after the removal of these remnants If in spite of this procedure the abnormal casting off and regenerat on of the murous membrane recurs tha only thing to he done is to castrate by operation or better still by gradiation. BISCHOTT

Vautrin 'Th Trestment of Inversion of the Uterus Should Be Conservat e (La cure de fun eruon utenne dott être conservatrice) Res prot d'obst et d gyade Par 19 4. 78. By Zentralbi f d ges Gynak, u. Geburtsh s d Grenzgeb

The most unusual form of inversion is the idiopather in old women its treatment should always be surgical. The partial or complete inversions caused by tumors should ha treated conservatively by removal of the cause except to eases of malignant tumors when hysterectomy is indicated. Puerperal severs on should be treated at once by reposition with the hand pessary or colpeur, oter. In chronic forms if these mild measures fail anterior or posterior colpohysterotomy should be performed vantrin prefers long incisions to the fundus to the shorter ones, and the posterior to the anterior and does not use the abdominal route

Cuthbertson W: An improved Gilliam Operation for Uterine Displacements. S & G, or S Obst. 914 2VI, 721 By Surg Gyner. & Obst.

The Al xander operation was formerly one of tha me t widely used in the correction of uterine displacements, but was applicable only to those cases which were free from adhesions and injections and those in which the uterus could be drawn forward Any operations which involve the use of the broad bigament are wrong in mechanical principle and t

the perat n

would seem that the round I gaments are the most useful struttures for cotretting these displacements by drawing the uters upward and lorwar I the only objection to the twe being their t adency in pull out of the trace anchorage

The first ten in the new peration is it make a lannensticl incluon record the lo et ablo i n and ents t the pent neal taxity through a small m ban

sertt al tuet on The round I g ments are then drawn through the anterior alal minal a il, as in the f illiam i peration Willia walpel a strij of lasers from the esternal bisque to pulled up to a point als se ab ce the he ment emerges from the wall I the abdomen This try of lasta is the sected by a forceps passed between the two arms of the loss of the I cament nl drawn do a late place and suture-i The stry of fascia holds the I gaments permanently in their new position. Cuthletts a has performed the peration on tiltien a men in the pat Ino n Tucke of il in have been kept under b servate m and have had no f cutt mes two of th

twilve having proud through normal labor since Errker Pitulitta and Rupture of the Lieru (Pituing a) Rutter at a) Messale f 6 4 9 4 su 555 Coebust & He 7 to this I gen (just Gebarten a d Grengela

The patent was a \ pate whose previous d h r les ba l heen normal hiten the us was histed to the use of a t e mark piece the out acts a be e m neal ant o je gr jetu ten was gren s beu tantously Strong unitaclams folion d and after two laurs there was said fen all tre and se ver taun in the abd men. The woman was he ught to the host tal mornbund \ resto was) thorned and the child who has in the Il minal ty was a traite! Langrotomy ho ed that the sterus was completely ropture! Suturng and tampoung were hasted done but I ath enaued The pai The child was show I mark I general o tractio full term in the earlierd he ries the littues must have been ty mall. The justin aused the supture bet use of the de project in between the size if the head of that of the raivas

Halm L. Prophyl ais of Ge etal Pertionitis in Operations on the Tru P tis, Especially in the ft dical Abdominal Total E tirpation of the Literus for Carrinoms (/) but me der ligenseine | rai in t be Ope monen um hi lie T i le turpat su des l'ter wegen Can nom) Zentralbi f 65 nate v 4 1 47 ity Zentralish d ma Cymil Caburth d Compris

burgeons have found that the perstoneum of the true pelvis has slight capacity I r absorbing septic products and lends stack more read by to dr mage Therefore, in three e wes of operation for caresnoma of the ut rus, at the lose I the operation il im after suffice stily part sizing the tunnecta e troste aurfaces, shut off the aid most eavity from the pelves with a septum lurmed as follows. The perum and the aigmost flexure were sutured to each other and in the anterior and justituse paretal pento-neum by utilizing the il il rest merchiene lokla of th creum and the appen he and the apt adices epopl see of the flexure The procedure t techa cally ea y and locs not materially prolong th operate it. All three ares recovered and re in remarkably good undel n after the operation

Sillechalse P : Total Abdominal (1) terectomy by Americo Section of the Cerviz (L'hystercome t lon sale tresle par déciliation téneure) The see dat l'ar 14 dir Jurnal de Chrispe.

It present most surgrous regard this method as an e c phonal one The author Jollo ing Racard and Martel proposes to make it a general method He emphasizes certain tich wal ditails borrowed from Mart I which familiate the procedure siz. than og f the toun i beaments and dissecting of the ant nor tent cum of the bladder before see tions g the utefus, and presenting clamping of the uterin autrees after de p sploration of the poste ture I lof the I roa I | gament with the fager thu to not always possible particularly when there are postern a adhe toos or all the supportative salpopular adherent t the broad beament

Th techniqu whithin bi stube affected uh salpingits to be remo d fom below up and, to a lipted pot by to milimmations of the advers but in tumo s of the broad by ment and in lateral and posterior f bromata of the uterus The gra val ome lant to be me le against the operation is that the Innery secti a I the certiz of as the uterine cavity at the leginoing of the persuon which is an offense against aseins. This objection does not hold is cases of salpangitis that ar septie but does I CHALERA hold in fibrude

Markoll Lr 5 dd a R lazation f the Lierus in Curett go (Uler die phitzliche Ernbliffung de Lierus bei Ihrzonier) Irre i belej i m

By Constalled I d get () nak Leburtsh a. d. Greazg b

The author r porta lour ass of his own and disc sees the cloudal parture of audden relatation of the uterus which was authentically demonstrated tuos The course 1 all four cases lev Beutteer was normal The curifier was done without masthesia. The wall of the ut rus which had bee offering t sustant udd nly was no l nger palpoble but bet me so again h r a douching with a hot soline solution one of the women fall the sudden Il tatto a hiretwely pur show d any symptoms such as ollapse change a pulse or respi ton The possibility of perforation was excluded

Pr d spusing factors to sud len relaxation re a b in olution hyl plana metrus, anemia, ud de gene aine changes in the aric h i th real tame is organie or functional in uffic ency of the ul ri muscles. The mechanism of the suddee dilatation in a foreign bady nor simulation of the uterine ganglia can be held to be the cause especially when the rarriy of the condition is considered. It is certain that the sudden relization is considered. It is certain that the sudden relization is caused by a mechanical simulation and that it is dependent on the condition in which case is more bloomy be main farest in which case is more bloomy be main farest in which case is more bloomy be main farest in which case is more bloomy be main farest in which case is more bloomy be main farest in which case is more bloomy be main farest in which case is more bloomy to make a particular to a fare may be difficulty in making a differential diagnosis from perforation but thus can be made in a measure from the contractions that begin again alter the relization. When the relaxation to the contraction any table place and cause a perforation.

Fuchs, J. Experimental Study of the Effect of Expressed Julies and Estracts from the Thy road Orary and Placenta on the Rabb ta Utaru in Vitro (E. perme telle Unt nuchungan ber die Wirkung von Pressetten de Estrakte aus Schildigune Lierstock und Placenta a 1 den beriebende Lamoshen terus) Zit hr. f. Geburt h. G. pak 19 4, ht. 653

By Zentralbi I d gas Gyaki, us Geburak I Gernaged Fuchs made esperiments a state on the utern of rabbits that had been pregoant. The expressed uncers were prepared as follows: The organ was macerated to meat-cutting machine ground in a montar and expressed with the Buuchner press. It somet of the cause the organ was previously washed unto distilled water to others the junce was first hamolyzed and them continged the laterates were propured a high physiological and laterates propured to the physiological and laterates were case in pine cent of the olume of 90 per cent care bale said was added

Merci, so unann estract and handls o suanden were also teated. The results were as follows (s) The greater part of the fluids were without much fleet () the expressed unce from the thy read had a simulating effect (s) expressed junce and extracts from oranse ge really had an inhibitory effect (d) expressed since and extracts from the control of the

ADNEXAL AND PERIUTERINE CONDITIONS

Neyer R P thological Anatomy of the Overy Cophoriti (Bett age pathologucies Austoma des O an ms Cophonitis) Zitch I Get 18 G at 9,4 km, 191 B, Zentralbi I d gos Gyash u Geburish a d Gerangeb

by case of cut follicula cophorits after septic bo tion is described in which the follicle and in mined are surro nd go are almost e clussely l ed lumportant points the diagnos of bronic o phorits re inflaration granulation tis sue and abscesses also heardes perioophoritic changes the presence of cedematous circumscribed parts with rarefication of the tissue and loss of the parenchyma with sclerotic scars Demonstration of advanced degrees of epithelial proliferation under and in the adhesions of the ovaries especially in adhesions with the tubes. Solitary abscesses arise from tofection of the corpus luteum at the point of rupture from the perioophoritis. It is impossible to make a diagnosis of a given abscess as a corpus luteum abscess because the lutero cells are immediately destroyed The ovarian abscess heals hy the abscess cavity becoming haed with epithchum from the surface of the ovary or the fimhria The cavities are then closed off as cysts Pseudosan thoma cells appear under the epithelium with oth r remnants of the inflammatory process

MORALLEA

Cattaneo, D Structure of the Overlee in Nam mais (Ricerche sulla truit ra dell'overso dei mammi n) i à tal d' pai d'embr al 914

By Zenralls I d ges Gynal u Geburah d Grangeh Nearly twenty different methods are described Golgs Faranas Verratts, hopsels Bendas and others and Cottaneo huneful studied life endoplastic structors of the ovary cells and especially the cells of the own II leg of the hest results with the own n s of different hinds of bats hut also examined those of arous kinds of manuski, up to man

He comes to the conclus on that Golganetwork as constant constitute of the ovum cells with a characteristic strangement which 1 subjected to create other in tha course of development and which is to be regarded as an important part of the cellular structure of the entwork is found even in the undifferentiated germansi cells of bound even in the corp. It has nearly finabled the growth it them the occ) to has nearly finabled the growth it them the corp.

The findings and questions in regard to the mito-choudnar are very complicated these have long here known and described but they are estrordinarily inconstant and unspectife in their morphological and microchem al cheriestratica and there are many not very well I unded hypotheses as to the iphysiol goal function Renaut considers them checture organs for extracting secretions. Were the issue of the secretary of

Bucura, G. J. Theory of the Internal Secreti n of th Ovary (L. Theorie der inneren Sekretio des Lierstocks). Zentralbi f. G. nat. 19.3

By Zentralbl i d. ges. Gynak u. Geburtah. d Grenegeb Bucura tries to show that the corpus luteum 1 to be reg ruled as the histological continuation of the

follicle, which has discharged its ovum and that it forms hormones that have the same effect as those of the lotact tolligle which he regards as the only source of the internal secretion of the overy 7 his theory may hold true for man but to many species of animals if cannot be demed that the interstitial glands have an internal scentury function. These cells, which are formed of stroms rells and again become stroma cells, and in distinction from the granulous lutero cells are connects a tusue la nature he regards as rells which are only changed morphologically by the assimilation and storing of hormones and physiologically are only past a sturebouses for hormones Bouin and horls myonethal ducties gland" is also probably only a place where ovarian bormones are stored. Hucura also believes that the clarents and letus must have the same hotmone effect as the full le as they are descendants of it This theory would do an y with the accessity of assuming a special internal se-

hulesch, her Golgi a betwork in the Cells of the Overy (Der best past on toold in a ne Lellen des Lucisiankes). A h f suite b f taut total.

L481 4 (72 E.

exetory part of the ovary

le ale, tas By Zentralid I d gra Gynik u Geburtsk a d Grenegeb.

The nother used for his with the oxistes of east, bay rathetin guited at with testan in bedgebogs, lie used foolige method of sill or stanning and folding distributions and the foldings at the forest the notion of the foldings at the fold

iscoresco, it i Physiological and Therapposite
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position of the Corpus of the Corpus
By Zentanl (Gere Cyant Latherth & Grenspth.

The product of at that sects in has bee divil I toto the classes (1) those which are used to the late to the section of the se

days I indo tase classes (1) those with here used incertly by the organ m 1 1; I howe which are traine cretain touring produced by the body. The unifor discuss he consequent of hyper and by projection of the glands with into 1 serves and important part and the utilor goes I to a detailed discussion of the utilor goes I to a detailed discussion of the util of goes and the uniform of the uniform of the utilor goes I to a detailed discussion of the util of goes I to a detailed discussion of the util of goes I to a detailed discussion of the utilor goes I to a detailed di

The lipoids of the overy the corpus lut um the testicles, the rel blood its et are studied. There are two groups of lipoids () those that are

stimulating only to the same power and (z) then that are it mulating to their species. The open of internal secretion rentain mutures of liquid which may be v y i lifered from one another compart lie to the three very different framested the junctions. The or ares sheen placed in allocations then direct and pulserized, then direct and pulserized, then direct and effect and which is soluble in all other three places.

figure L. The So-Called Struma of the Oraria a Study of the Histogenesis of Orarias Gris (bler due to change Struma oran). La licitize f filst genes der Ors uksytome, Fluks f Gelori in Afgrak 1914 late, 617 By Zent alld L d. gra. Gynak u. Gebartah s. d. Grenech.

The whor icunies a very east meroexpeal and mistroscopical study of a so-called stroma of the o ary. It is always hat log raily that the turned oriented originated from the surface quite-liam of the oxay. It is could not be demonstrated in the colloidal servicion. Although the histoly gral ji ture an a matkedly similar to that of the goater there is no peof that these tumors are either mitastance from goater or term mate with or chapter of infrored times exclusively hat as such just tree are also found in ordinary systaleno-mata, the author concludes this stripms. He every

so only a cysiad soms of pecul at I run. The previously described cases of striums of the oxyg are probably also in he cysia and in that ay e ce show a makeh beaufar the poster it is tissue, other out I turns of true tersions are to be found, and expert each are and cy tachronis not infrare only and contribution of the cysial cysial contribution of the cysial cy

ton Alria Corsistence of a lightatiditorm Mote and Bilateral Colloid Chate of the Oraries (A meshan teer Bilatemote met deposit agen hat hands you der Orarien) M acticle f Gr doet h Grald 1914, a 1 561 By Zentrald I d. gra Grade a Cebarish a d. Groupph

Laparot my was put med on a 25 year-old noman in the sec ad month I pregnancy with a cho al di gnosis of mercasi g retro-uterine hema torrie with televial rine pregnancy. The uterus There as was the use of a five months pregn acy at mor of the right vary large as a fist ath a twisted per che and one of the I it ovary the sare of a chill's had, mearer rut dun th pelos the lat ter had unulated a har a orele Three bours after the operate n a by dated orm mole was spontaneousco sers in ly O th math da the rest of the mole was removed by use of a use in the pulse.
Reco ery followed. Microsor se examination Reco ery followed she ed alsence of vill Langhan cells and Incytal Polano's classification. R venues.

Antoneill G : Esperimental Study of the Effect of Overlan Castration on the Blood Picture (Ricerche perum tali torno gl eff tti della castragio ovarica ul sangue) Polidi

914 x1 97 By Zentralbl, I d. ges Gynak Geburtsh d Grenzgeb The removal of the ovaries from young dogs that

ha e just become sexually mature leads to changes in the blood picture consisting of more or less marked decrease in the number of red blood-cells and decrease to hamorlobin In certain cases there a moderate degree of leuconamia with relative liter about lymphocytosis or mononucleosis two months these cha ges are compensated for From this it oppears that the overy under physiological conlitions has an internal secretion that exercises an effect on the blood f rming as well a 10 1 01 05 the leucoexte forming organs

Wichmann S E The Epithellum of the Append eges of the Broad Ligament (Coer das Epith I
d A hangsgehilde des Lugament m latum)
A th f G hat 0 4, 11 70
By Zentrabb I d ges Gyank u Geburtsh a d Grenzgeb

from his research the anthor comes to the fol lowing conclusions. The first calcated cells in the mullerian contheium appear at the beginning of the fourth month of entra uterine life and appear first in the epithelium of the fimbria of the overs. The formation of cales then gradually passes down the tube and reaches the cornus of the uterus probably about the seventh mouth. In the new born the chated cells at the fimbria of the o ary and in th lateral part of the tube are about as numerous as the non-cutated on 8

The first culated cells alw ya appear in pairs therefore it may be assumed that the formation f eilia takes place in ery young daught cells fiter cell d isson. The epithelium of the pen ap ery simils t that of the fimbri of the ary from about the se enth mouth the devel

pment of the pathelium I the closed ppendag the hydat da diff ra markedly from that of the open ones probably because of the changed condition in a closed cystic pace. In the hydat do the epithibal picture varies in diff rent cases and o different parts of th sam hydated chiefly in consequence I the differe t secretory conditi f the pithelial cells in the acti by secret g parts of the hyd tid the large and h ted cell f rms predoma to while the resti g epithelium contai s only a few iliat d lls such are mostly low and 34 drical or cubic t f m freque tly with ce t I flagellation

Setto A Appendicitis Secondated with Inflam mation of the Adnexa (C trib tion & Idiade les pp. 1 tes assected an annexites) t B Journal de Chararge

m of the t t ties of Plo humgay w

Isnamtomy for diseases of the uterus and adnessa in recent years found the appendix adherent to the adness in 23 cases that is in 18 6 per cent of the cases the adhesions being to the adnexa of the meht side in 22 cases and in one case to the tube of the left side In oll these cases Carvalho removed the appendix thus conforming to the advice given by Barnsby to 1898 that when the appendix is od herent if only by ita ones with or without vascular arborizations on the pentoneum it should be sacri ficed absolutely P DE RIO REA CO

Von Lingen L. Ezudative Peltic Peritoniti (P I soperation tas e sudata) St P tersb med By Acutralbl | d ges Gynak G burtsh d. Grenzech

The author reports 4 eases of privic pentoniti which he has treated during the last three years It may be eaused by febrile nucrocrum abortion -especially if it is criminal gonorrhora sometimes ppendicitis and probably also by tuberculos s

The nationts generally come to the hospital several ucels after the beginning of the lucase an f when the pelvie pento tis has already developed The hn cal picture aries according to the atare of the disease. It first there is severe pain over the whol abdomen distention tension of the abdominal walls nausea omiting to These threatening as mptoma howe or gradually disappear The process becomes localize | d one psulated as a result of scrous and fibrous exulate and adhes ons between the uterus int stine omentum and adnex formed that is him ted above I sam in can lat nation I the tage shows large round tumor which frequently fluctuates and gradually file th posterior sult of the vagina Symptoms of th bladder and rectum the appear lenesmus reten too of urt disch rge of murus te The tem pe atu is incre si The caudate a either gradu illy absolute a pels lac as is formed If the abscrss ; not open d t the right time it may rup t f mto th ert m more rarely into the bla l k l er surely int the belom nal as ty

If if the see lem d incision of the posters r vault of the v gons an f framage f the auppuratt g focus with rubber dra o left in a long time The eff et n u lly urpr ing The durat on of t cot bout the am i pat t tr ted ispect me t atl Ib pert n

Aratas Rontgenological Vessurem at of th Pel la (Ronigenologi-che Beck messung) Lett

th d Just h t d Drutteke Route de Brit o 4 lpr

By Zentralid (d ge- 1) nak Geburteh a d Georgeb

The autho gives the rult of sperime t with the h b r Dessaue pparatus f measure g (h pel ts Wh the promontory ad amphysis are to be un o the plate the conjugata s ra can be me untito malimity The same esperament were made on th I I es of keletons women in the on recrum chise I of a I were pregnant ,

after a preceding exparence section and symphysiot omy, and the results were controlled with swelfel's nelvimeter

Good photographs can rarely be obtained at that and of prigramery but they can sing as be obtained as to the fifth month | pregnancy | In taking them the perha should be kept absolutely methales that the perha should be kept absolutely methales but it profess on techanque will probably be made that it will become possible to measure the true originates minospically even in marked adaposity originates and probably be made that it will become possible to measure the true originates and probably and probably or the solution of the adaption of the adapting over internal measurement of not flering any possibility of turny or infections.

Martin La Ti a Pelvis in Prolapse (Prolapsheckes)

TLTO LICELT

Zirels f Gobs i h is G)aak 1914 [213 749.

B) Centrallif d ges. C)aak. Cebusish s & Createth
hatomeral examination of the pelvis has shown
that the midian section of the 1 vator and and the

that the midden section of the 1 vator and and the muscle groups of the genue-nanzy shapir gmintar is the part of the peftic floot forming the blatture—is without exception where the and at the asme time his pertrophic. Slating concile is that the heap persony apparatus far it for me a lefetive then after the uterus as demiced on the case of forced by minta abdominal pressure out of its typical position the supporting a paratus is fared into compensal r. ph pertrophy 1 blatta.

EXTERNAL GENITALIA

i untoppidan Est Gonorrhord Disenses of the F male Genitalia (Gonorrhord Michaele der iblich temtalen) Eg br f Leger 19 4 leger 172

larer 177 By Zent allet I d ges Gonak u. Gehurtah a. d. Grenzgeh

lant pu lao has t at da grad numbre of cases some of them by different softs usturn methods some if them passe ity with n t sagnal douches, and tampons it the styr ex streated by t uterne method 17 sper cost had lacase, of the laca and of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 sper cost had flect us of the 150 n to note at 0 specific us of 150 n to not 150 n to 150 n to

MISCELLANEOUS

Bortki witsch A Study f th So-Called Ad nomyomatn of the lemnise Gential Tract. (Betrag kennisad soge us ten telecompone de withinken Ginii fir kt 4) 1rck f gyakk total il 200

iot4 it be By dearable I d. ges. Grass. Geburish d Grangels. I rat a libbingraphy is given of the most important works on this question followed by a detailed de explicit of the suther's cases with meroscopic flowings. He rejects the hypothesis of tree tumo formation and thinks that you has case are read hyperplastia developed from a basis entering the hyperplastia developed from a basis manufacturation—adenomy ometritis, one case of vagood adenomyomus developed from a ruptured Midlets a dact in adenomyomus of the inguinal canal he attributed to a ruptured part of the widdless duct and a cystic adenomyoma of the attriu to a ruptured part of the widdlessing duct and a cystic adenomyoma of the attriu to a ruptured part of the midleting duct.

Gudim Lenkonitach D: Two Cases of Costs of the Wolfflan Duct (Uhe el Fállevon C) tendes Wolffachen G ges) J ks k. 1 pensk boles.

St. Peterab 1915 tax 235 By Le traffel f d. gen Gynale u. G burtah, n. d. Grenngeb

The first rase was a cost of the vagios which was d agnosed as a cyst of the wolffian dart became o th structure of its walls - a single layer of cabica patheham - so I because of its localization in the lateral wall of the vagina. In the second case there was a polyp as large as a heo s egg projecting from the cers is. The polyp which was removed was situsched to the lateral wall of the internal os by a small pedicle and the contents was bloody The c vity was lined with a cultical and in some places cylindrical epithelium. The structure of thr cast seemed to the author to indicate that it also regionted from the nolition duct its focultation also for in the remon of the soternal or the wolffan duct approaches very pear to the lumen of the uterus and oft a develops lat tal processes. The anatomical differential diagnosis from other cysts s ducused in deta l B OTTON

Mejer-Raegs, II t Tuberculoule of the Female Gentialia (De Tubert lose de we blacken Gentialien) 3 kerst. R. of kos F. Med. 9 st. 315-By Leutsilk I d. grs. Gynik u. t-eburt-h. a. d. Grenageb

In two per cent of all female corpues there is an it to be inbertuous of the genital organ. Taking tota account only the women dying of alla realises, there is genital it bereduous to ris per unit. Observations on satopry show that genital concernious is usedom notated but that tubercular loca and to be founded in the control of the taken there is almost all ny labeleral to about half the great the disease it almost all ny labeleral to about half the great the disease passes from the taken to the taken. It healiest a labelerations of the unit works in it per ceed of the cases infection of the placental play a part sho

culous often recovers if not it has a very chrome.

cume It has no tendency to pass into general tuhercular pentonius and the danger of milary dissemination is not great. The treatment should he he same as hat of general inherculos s. Opera tive treatment is justified only in cases in which there is hemorrhage from the uterus as a result of the uteration of the mucous so severe in degree as to affect the general condution.

JAZEEL.

Meyer R Ectopic Decidus (Cher Ektopusche Decidus) Zisch f Geb i h Gynah 914, Izzv

By Zentralbi f d. ges. Gynal. u. Geburtal s d. Grenigeh

Ectopic decidua has been observed on and in the
ovary up the pentoneum of the uterus—mostly its

ovary to the pentoneum of the uterus—mostly its posteror surface—on the pelive pentoneum—expecially a Doughas pouch—more arrely on the parsent pile repertoneum on the anterno wall of the uterus the enco uternor space on the lugraments of the term of the pentoneum of the uterus the enco uternor space on the lugraments of the vermiforea appendix, on the mucous membrane of the tube even in intra uternor pregnancy in the cervis and vagna in polyps adenometritic foci proliferating scars and on adhesive bands and very zarely on the peritoneum of the tube. It is not a physiological conductor The charf factor in its custation is probably a preceding to Manaters.

Albrecht, H Asthenuc Infantalism of the Fernals G atalia and Its Saganfeance a Medical Practice (Der sthemach inf otdismus des neiblichen Geschletts d etne Bedeuting für die Arzikiche Frans) M d KI Berl 9 4 6 8

By Zentralbi f d ges Gynal. G burtab d G enzgeb lath me infantilism is a hypoplastic a omaly of const tution cha acterized by the persistence of inf t le and in emile forms of growth with function al weakness and increased susceptibility to discuse of the organs my olved The uthor follows Mathes views He describes the ofant le forms of the bones blood sessel and genetal sy t m One particularly important manifestation of t is enteroritosis the tiology f which is found in the format on of the thorax and spinal column and in asthenia of the ent e stratum fibrosum. The external appear nce a cha acterized by slenderness f the body langual and pallo ad fl codity of the kin More import at the a these physical signs are infantile and sthe ic symptoms in the psychic and nervous sy t m especially neurasthenia and psychasthenia If discusses briefly the functional inferiors ty of the different systems of the body and the m reased uscept bility to disease in the genital sys-1em mentioning in this connection frequency of ho ton severe disturb nees durn g pregnancy co tracted pel as rigidity of the soft parts in deliv ry deficient cont actions, the f quency of reten tio of the placent and mony a tende cy to pro-lapse the predisposition of the nf ntile tubes to tra uterine pregnancy etc Of jet greate m

portance are the chincal pictures due to authoria of the pscylic and nervous systems These ore char acterized by alternating periods of welf heing and severe illness without any organic changes. There are especially ant to he symptoms of the stomach untestines and genital tract frequently combined From the mamfold variations of the symptoms of asthenic infantilism it is clear that a large percentage of all female patients might fall in this eategory The author gives a warning against local and especially operative treatment in such cases This is especial ly to he observed in appendicatis raovable kidney and retroflexion of the uterus Permanent results cannot be earned by surgery only a rational asychotherapy can save these women from the hands of the quacks anto whose care they so frequently fall

Herrmann E. The Chnical Significance of Changes in the Fernale Gentlains, in Status Hypoplastican (Dis kinsuche Redeutung der Veranderungen am weiblichen Gentale beim Status hypoplastics) G h R wischs 9 4 m, 4 By Zentrahl, I d. pen Gynal, in Geburtch, a & Grenzgeb

On the baus of 202 cases the author comes to the conclusion that among the signs of constitutional anomaly are changes to the overy mong them being abnormal size smoothness of the surface and connectite-tissue hyperplasts with disturbance in the function of the follcular spatter. The biological interiority to 55 per cent of the cases of status hypophastics causes general hypophastics of the genutals and as a result in 54.45 per cent of the cases primary sterilly Gotha over the contract of the cases primary sterilly Gotha over the configuration of the genutals.

Nesamelows S. \ Changes in the Blood during
Men tru ti n (Britrage u den \ eranderungen
des Bl tr durch die Mes tratte) D erist
Tomsk 9
By Zentralbi f d ges. Gyask u Geburtsh s. d. Grenzreb.

By Zentralbl f d ges. Gynal. u Geburtsh s. d. Grenzgeb, The author reports a series of blood examinations

in 21 normal women of the same age and living under practically the same conditions. Exami at on was made for the gris in the number of the crythonton of the condition of the blood of each and shall was examined daily for a month. The rever four periodic phases in the blood perture in women the normal or intermentical lasting on an inverse functional and post menatural each lasting about, after the post menatural each lasting about, after the In the normal type of menstrandato there were

variations in the sylthrocyte count I from 100,000 to 8 500 000. On an a create there was an increase in the erythrocyte cou it 1 858,000 above the nor and 3 to 0 430 a before the languants of the merica. During mensitration the number of erythrocytes or the sylthrocytes in the post mensitral period the number of erythrocytes in creases again then gradually gross analier until 1 treaches the intermensitral figure

The percentage of assemblohor runs parallel to the erythrocyte count but shows alighter variations. With a sudden increase in the oumber of arythrocytes the color index unia. The variations in the leucocyte count run parallel in a general say with those to the red cell count. All the forms except the mast-colls take part in the increase.

The absolute number of neutrophia cells as in creased in the premenstrual period but to a less degree than that other forms. The number of small and large forms of leucocytes shows a saudien net the transitional forms are the ones most affected in the use of the monocuclears. The cosmophies are increased about 1.4 per cent over the inter

manstrual penod

During the menses the leucocytes show the longst count this relative leucopænia is caused by a decrease in the number of the polynuclear leucocytes In the post menstrual period it is chiefly the latter that are increased. It is an interesting point that in many cases, if the menstrual discharge is delayed the changes in the blood pictu e nevertheless take place at the accustomed time Then when the discharge takes place the changes in the blood picture are slighter sometimes scarcely noticeable This would indicate that the menstrual bleeding as such is not the cause of the changes Probably the glands of internal secretion are involved in it kinds of changes in the blood would indicate this also, as there are resemblances in many points to the blood changes in diseases of the thyroid the hypophysis and the thymus, and anaphylactic conditions are manifested. The minimum resistance of the red blood-cells to salt solutions in the inter menstrual period was 0.49 to 0 52 the maximum 0.33 to 0 36 NaCl the degree of resistance howed variations during the premanstrual period ht the time of menstrustion the minimum resistance was 0.40 to 0 55 the maximum 0 3 to 0 30 NaCl In the post menstrual period only the maximum re sistance was increased Viscouty in the interval was 3.5 to 4 5 it is increased in the pre-menstrual and decreased during the menstrual period. Thank was an increase in coagulation time during mensious tion, a decrease in the pre-manstrual period

WAZZE

Deutsch, A Tha Treatment of Hamourhage in Adolescence with Firughandol (Dre Beharding der Adolescente bitungen unt Fitughando) Zen ralli f Gy ak 10 c 222 22 34 By Zentralli i d gen Guak u. Geburth d. Grezageb

In cases, chaffy in young gifs in which the usual stypates failed almost c rain hemodasus stypates and almost of rain hemodasus at attained by the use of pit glanded lifedman in Rochas minglanded was used and hamily 25 to 20 subt tancous 1 pectons of a term were sufficient lifed and the stypates of the terms and the tangent of the terms of the terms of the terms of the state of the terms of the substantial to one to four weeks another series of ject ma use sherm and the desured each in each says obtained.

The general condution improved and harmuleffects were never observed although in some cases as much ms 45 ccm. was given altogether. The multor recommends that preparations of hypothysis be used in all genital harmortheges in joung pith before radical treatment such as castration amputation of the body of the uterus or ristigus time ment is decoded upon. Because

Brugnatelfi, E. Interstitial Cells and Internal Secretion of the Mammary Gland (Cellul interstitual a secretions internal della mammella) Fel. resect total in. 7

Fel. 23sec 1914 iz, 7 By Zentralbi I d ges. Gynak, 11. Geburtsh, s. d. Grenzgeb With different methods of staining the author found two classes of fat containing connectiva tissue cells in the mammary glands of pregnant women One Lind repressots a series of transition forms to Unna a metachromatic mast-cells and probably contams boul phosphates The same cells were found an pathological tissue by Huguenio and by Ciacco, who called them mantipoid cell The second class of cells contain in their interior glycerine and cholerancater and in their peripheral part phosphates, and in arrangement and altricture they have the greatest similarity to the cells of the corpus luteum of pregnancy and the zone fucurulate of the adresals Just as the latter are regarded as typical cells of internal secretion the author is inclined to regard e armlar cells of the mammary gland as producen of hormones As a hypothetical result of his work he suggests the onmo of the interstitud cells of the mammary gland and reproductive glands from ad ventitial r wandering cells

Hedinger L. Significance of Present is Involution of th Mammary Glands (Zur Bedeutung der prinsmies i olution de Brustdelse) Berl kl li karder 914, h, 517

It is sends pate, h. 517
By Zenriulh I d ges Gyalk u Gebortsh a d. Grenageb
The author reports fix a casea in which the mem
many gland were removal on account of pair in
the breast The women were all of middle age and
pathological anatomical name and on showed the
perture of presente; vol ton

The author docuses the different forms of masted dynam formised tumor from mastitus, masted dynam forms the tempor format on ecording to B ungget mer act safe trom if we five the possible cause of past full mamma in present involution that in such cases, he is unable it all whether there is relation to the rest of the we unal paratus or to other thanges in the body.

Example 1. Example 1. The present the second of the paratus or to other thanges in the body.

Bayerraen A. Th bign ficance of Bacterological Examin tion before of ring and after Gynecological Operations (D a Bodt (sing bakerological of the Bayerrae) or, ahread of a gynthological operation of Beat ha d I I tim br abb Imm adaiferath

9 4 11, 463
By Zentrallid 6 d ges. Gynal. o. Geburtsh s. d. Grenzgeb
The author made careful bacteriological examina
tsons in 340 perst. a cases from the Kisi Cynecolog

cal Clime as a laparotomies at major waganal operations and a operations of different kinds He insists that the vagna he dissificated in every aganal operation Bacteriological examination is important in the prognosis. If the field of operation is free from harders the post-operative courte is generally favorable. The pentionium is hest protected from bacters and the post-operative courte is generally bacterior fail in a surfaces with pentionium by washing out of the paces with fluid and hy the swedsage of untrapertioned I ampous

Expecial demands are made on technique when its increasity to combat endogenous hacteria carcinoma and tinnors of the adners. In such cases the technique is the decisive factor to the result. Bac tenological examinate not the abdom nail wound as wellss of the per toneum at the ado the operation frequently showed micro-originating, which came theigh from the salar and from the exattering of endogenous bacteria, therefore special trees is colored operations.

On the evening before the operation, the patient is m en a full bath and bichlonde compresse are placed on the abdomen the pe t morning just before the operation the rules is rubbed with odobenzine and the sons is trugated and rubbed with a per cent bichloride and o per cent lcohol solution a 7 per cent tincture of sodine solution is used for th skin of the vulva and the abdominal wall is m en vigorous rubbing with iodohenzine and a 7 per cent solution of tincture of sodine Then the skin & covered with a cloth with n sht in t padded with Bill roth a gauge so that only a little of the skin is tist e After opening the abdominal ca ity the entire abdominal would is surrounded with slit lidlroth gauze The autho helieves th results of all oper ative trantment dene d on asepas nd technique

Henkel, M. Irradiation in Gynecology the Treat ment of Carcinoma of the Uterus (Zur St ab lentherapse 1 der Gy kologe Die B handl ng des Uteruscarranoma) If nehr med B chn k 944 lb J. J.

By Zentrafbl f d.ges Gynal. Geburtah a. d. Grenzgeb

The latest experiments show the telemesorborium

rays do not he e an elective effect on the carcinoma cells and that the optimized along is between 100 and 00 mg mesothorium above this there may be severe jury to the tissues so much so as to e en threaten life. The ffect of the mesothorium does not penetrate mora than 4 to 5 cm.

Reetmann and Mayer's experime to show that lead filtration is bsolutely contra indicated since the loss of γ-ray is st per cent contrast with 3

per cent with brass. Also the γ rays beld in the lead filter undergo such a transformation that they become similar to β -rays and like these have an injurious effect on the superficial tissues. When the brass filter is used the few secondary rays formed can easily he excluded by the use of a rubber cover

tng
The technique of the gynecological clinic at Jena
is described Many Inoperable carrinomats after
a time become movable and can he remove dhy operation Vagnal total extripation is preferred
The ramanist should then he treated by further
irradiation or intravenous injection of enzytol
vaccine therapy may also be used for metistates
and cancerous glands. The primery tumor is
macernated and subjected to sutolysis and the material obtained is used for vaccination.
Rontgen treatment may also be used with n n.w.
Rontgen treatment may also be used with n n.w.

apparatus which enables colossal doses to he given in a short time at a comparatively low cost. This is sometimes p on in connection with krukenberg a proposed injection of calcium tungstate behind the carranoma designed to increase the activity of the rontgen rays.

K. HOFFMAN.

Blumenf ldt E and Dahlmann A. The Electrometrogram in Animal Experiments (Z. Acanina des terrache Elektrometrogramms) Zick f Geb rik n G, db 9 a brz 403 By Zentrallk f d ges Gyask G burtsh, a d Garnagch

The shaber first tested the electrical current of the female uterus by means of the string gal a nometer and originated the term electrometrogram

The authors in testing Theilineber result on somes in the pureprisin did not get uniform rasults. They tried therafore by animal esperiment to determine whether on stimulation of the uterus thera is a connection between the similar contractions of it uterus and the curves shown by the string gal in meter. They e perimented by Irain method or the uter of rabbits and dogs street in the string of the string gal in meter.

esperiment about that the postaneous one of the term and but which about a the term about which about a the term and the t

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Ad anced Extra Ltering Pres numer (ther Extranters or shift is den leist in Schwangerichaltsmonaten) J at the f j th bel es St Peterab 1014 x a St B) Zentralbi. i d gen. Gynkk u. Geburtab. a. d Grenzgela.

Prawnssud in 1910 collected 190 cases of advanced extra uterine pregnancy from the literature the author a lds 17 new ones from the literators and two of his nun. The first case was a 7 months abdominal prignancy after rupture f the left graved tube at about the second month Lanaret amy was performed followed by personates and death

The second case was also an abdominal pregnancy continuing to develop after supture of the tube Becau e of intimate adhesions to the intestines it was not possible to remove all the placenta, and the patient died of progressive peritonitis, resulti g from necrosis of the fragments of placeots

The clinical diagnosis of advanced extra ntenne pregnancy is difficult it is easy to demonstrate that there is an ectopic pregnatory but its exact topog raphy can seldom be det emined e en under anasthesia. The most important as mptom is very severe and constant pain in the abdomen. There is no unanimity as to treatment some authors advise mmediate operation others prefer expectant treatment

The author points ut the great d ngers f ex nectant treatment and advises immediate operation The perat a may count in complete removal of the placents or to suturing it to the abdominal wall The farmer is to be preferred as it is more correct urgical procedure. Marsumalization ab uld be urgical procedure Marsupalization shuld be performed only when complete exterpation is technically impossible B Ornor

Intra Uterina Pregnancy after Latra Ut rine Pregnancy II trauternera dist and orausecange r Latra ternagravidit) M seish f Ghe ik G ki to t xxxx its
By Zentralbi I d gra. Gynik u. Geburtsh a d Grengeb

In spate I the fact that normal intra-ut time pregnancies were observed all restra utenne prog nancy 10 50 per cent of the cases, the changes in the tubes in eatra uterine pregnancy should not be underestimated Hochne showed by projection pictures of the injected tubes that there was perpheral and central smooth g out of the folds intramuscular branching of the lumen of the tube and in one case, complete atresia of the tube

The follow ng conclusions are reached It is a mistake (1) to simply remove the ovum from the pregnant tube and leave the tube (2) to amputsta the pregnant tube and kasa a larger or smaller stump of the tube attached to the uterus (1) to perform plastic operations on the opposite non pregnant tube unless the patient wishes to present every possibility of conception and takes upon h rell the risk of another extra uterine pregnacy Large Street.

Rou ter 3: Coexistence of Intra and Estra-Uterine Pregnancy Interrupted Simultaneously at the Lnd of Three Months; Recovery without Operation (Corxistence de grossuses extra et atra-utérine, interrompues simultanément u dlb t du 1 mois. Guérison sans intervenion opératoire) B il. Suc. d'obst. et d gynés, de Par

By Zentralbi f d. gos. Gyn.k. u. Geburtsh. a. d. Grenzech.

The patient was a 37 year-old VI para in the much month of pregnancy The diagnosis on ad musion was retunion after abortion. The last mener had been in September 2023 with sheht loss of blood in October and November At the end of Sovember abortion occurred. Afternards there was increasing pain and signs of an infectious abor tion with retention a resistant circumscribed intra abdominal tumor was I und sensitive to pressure the cas my of the uterus was empty and 6 fem long I mm Douglas pouch a fluctuation rone could be I it surroun ing the tumor The diagnosis was retro uterane hematocele after extra ut mae abortion afternar is noesential intra-uterine abortion After spectaal trestment there was a gradual dis appearance of all symptoms without operation.
The author holds that nothing more than a probable diagnous can be made at least not before the

third month The abdomical abortion must have preceded the intra uterine ne lie warms against too vigorou treatment in such cases In the hospital expectant treatment should be given and if infection occurs, colpotomy and drainage should be done Outside the hospital iaparotomy must be performed Some of the participants in the dis cussion doubted the co rectness of the diagnosis Itiese.

Bogdmovits, M Twin Pregnsucy with One Living Child Inside, and One Outsid th Uterus (Zwiling G vididi unt intra und eatrs tensen keb dam Kadel Oren Hilder, q Irus, 93 By Zentalli Ld ges Grask u Geburth 8 d Grengel.

I wenty two days aft the birth, outside of the be patal, of a hy g full term boy the mother was operated on at the hospital i extra-uterine preg nancy ad a living foll term gut deliv red This child haed only a few minutes after the operation It a neworthy () that the woman had already

had one pair of twins of different sexes (2) that a corpus luteum was lound only in the left overy (the extra uterine pregnancy was on the left side) (c) that in this case both the children were full term and living The extra uterine child did not attain full development until twenty two days after the intra uterine one and was not viable in spite of the fact that it survived the delivery of FRIGARES the intra uterine child

Gray A. L. Eclempsus J M St M Ass 914. By Surg Gynec & Obst

The author of this paper gives a brief but clear description of eclampsia. He first considers the ctiology of this condition and is of the opinion that the poisonous ubstance is generated in se eral locations, and three organs especially vis h er placenta and ntestinal tract

Next he considers the symptomatology of eclamp sia and lava great tress on a blood pressure of 150 r above The author believes that eclampus set sures can be prevented in almoste ery case and when such seizures occur it is due in of per cent of cases to causes discoverable and preventable by the physician or to institution or indolence on the nart

of the patient

As a proof of the above assertion ha states that since making this a special work he has had but two cases of eclampses in the last r 100 births and in both of these cases he had no previous knowledge of the cases until one week before labor and that the time for elimination and treatment was too short In con idening treatment Gray divides it into

three stages. First preceding attacks and during the manifestation of prodromal symptoms second during attack third following attack

The primary object of all is es of treatment whether during the prodromal stage or following the attack is lowering the blood pressure. The author believes that eclampus cannot be se entifical ly treated without the use of a blood pressure apparatus It is both the diagnostician and prog nosticator A blood pressure of less then 150 means comparative safety Ilis method of lowering the blood pressure is to ca se elimination through the Lin kidneys and box L This may be accom-

plished first by hydrother peutiem asures second by drinks g I rge quant ties of wate and third by a variety of catharies preferably liconice and mpound or in tead ere mof t rear salap powde m neral w t Losom salts te

He me t oned r th t entment of the serz e tself ad h th tragest lath a th adical treatm t wh n in the hands f a skilful operator In a me mal p lyte h d ocates manual or instru ment ldil ti rsion f reeps, in prefe ence to assarean sect n R gard ng the treatm nt ft d live y cap ally those case in which convulsions he belie there is no better means of

lowering the blood press than blood letting This espec lly I ted a the plethone f It blooded put it with I rge full bounding I ulse 1 II CHAPT

Plenn! S. and Savarè V. Cholesteramia and Wassermann a Reaction in Eclampera (Colesternemia e reatione di Wassermann nelle clamptiche) G nos 19 4 , 60
By Zentraibl. f. d. ges Gynal, u Geburtsh s d Grenzeeb

ifypercholesteræmia always occure in patients with eclampsia to a greater degree than in normal pregnant women Hypercholestetæmis never mes a completely positive Wasserms nn reaction but my partial reactions which is due to the antihamolytic and anticomplementary properties of the chokstern Cholestern is not to he compared with a syphilitie antihody and probably increases as a result of hyperfunction of the adrenals and dysfunc tion of the liver The agmificance of the placenta in hypercholesterienus is under discussion retention rather than hyperproduction deserves more study In the 16 experiments performed by the author the more pronounced the symptoms the greater was the degree of cholesterams There is a detailed discustion of the bterature

Ferrés A Series of Recent Congress Operations (Sur ne sene d operations cesari nnes recente) Aug. f m fe I d but o a xls 160

By Zentralbl f d ges. Gynal, u Geburtsh a. d. Grenzoch.

The author reports 12 creares n sections One child died on the fifth day One mother on whom casarean section was performed for the second time and who had been in labor three days before the operation died The uterus was removed the old scar was thin as parehment but firm Three women had fistule from the uterus through the abdominal wall In one woman a compress was left in the abdominal can ty which after 7 weeks was discharged from the rectum accompanied by colicky Ds ns

Wolff Rupture of th Uterus in the Scar Left by Cervical Caesarenn Section (Uterusruptur : der iten hauserschnettna be nach versicalem hauser schmit) Zi h f G buri h Gy ak 19 4

lx v 74

By Zentralbi I d ges Gynal Gehurtsh s d Grenzgeb

The author report the case of a 30-year-old II para, in which rervical casarean section was don at the end of preg sucy for contracted pelvis The longitudinal cision of the cervix had to be prolonged into the hody and the living child was extracted by the foot The puerpenum was febrile Healing was by econd intention A year later the pateent was gun admitted to the hospital at the end of pregnancy R pure in the old scar hed occ reed during the first stage of Isbor during which the child died The terus was totally extirpated Brain embolism occurred during the puerperium The patient is till under treatment Microscopscally the escatricial tissue was infiltrated with decidua almost to the serosa

In 48 cases from the literature of rupture in the star of a exsarean ection, the puerpersum alter the casarean section was almost always I brile

as it was in the above case. Union does not take place, the muscle-bundles do not regenerate and the scar is poorly consolidated. In the case reported there were unabsorbed catgut sutures in the speci men from the operation a year before. In the 40 cases, the tofantile mortality was 60 per cent and the maternal mortality 26 per cent as contrasted with to or 47 per cent in other suptures of the uterus The more favorable results of suprure in scars from cresarean section is due to the fact that they generally take place in the hospital Porto a operation is generally used in the treatment. Ferris.

Fuchs, H : Casarean Section for Total Ankalouis of Roth Illp-Joints (K iserschnitt wegen totaler Ank) lose beid r Hultgelenke) Monatule f Goburt h u Gyadt 914, same 477 By Zentralbi. L d. ges. Gynak. u Geburtak. s. d. Gresageh.

1 30-year-old woman had had a pontaneous delivery 6 years before her present pregnancy She had had an abortion before the first delivery and an abortion three years ago with severe symptoms of sepsis-metastatic pyamic appoiration in the region of both hip-joints Finally she recovered but had bilateral ankylosis of the hip-points She was a slender woman, 140 cm tall she had no abnormalities in the pelvis, but the soft parts were somewhat atrophied. With both thighs fixed m slight flexion with marked adduction and rotation inward vaginal exploration with two fingers could be performed only with great difficulty. The posterior edge of the pelvic outlet have er could be reached tolerebly easily in the lateral position at about the middle of the ramus of the pubes. The woman wanted a living child. The child was in breech position. Abd m nal transpentancel casa rean sects a was performed and a hyrag full term girl del vered The puerperium was afebrile

Only four cases are described in the lit rature of dehvery a bilateral asky loss of the hip-two were spontageous dels enes nd two were debvered by The author believes that casaread section casarean sect on is not justified in head presents tions as animal delivery in the lateral position quite possible. The chances of delt erurg a living child by the natural route are much less fa orable in breech presental as Because of the difficulty of access to the pelvic outlet casarean section indicated in the aterests of the child

Lindemann W V ginal Casarsan Section in Placenta Franța (Cherdie Ansending der Hyter otomia autorut her Placenta previa) Fran-Eg in d Cobunia G, et qui, vi du By Zzatalbi f d. gas. Quasi. u. Geburch e d Granagth.

In the treatment f placenta pravia by carace section the autho prefers the aginal route fre advantages as contrasted with the abdominal root are better cosmet c ficet and a ordance of herma and supportation fth wound. It has the ad t ge over extraperatoneal tarsatean section of being easi ? to perf rm With t ajunes of the bladde are

almost impossible. It may be complicated by insertion of the placenta in the cervix but such cases are rare. The dangers in placents accrets are the same in the vaginal and abdominal operation, other water the insertion of the placents is not of any special importance The loss of blood is not great operation itself does not offer any great difficults Conditions for its use are more unfavorable in primipate If the caginal operation is not pray ticable in these cases, abdominal costatean section is to be recommended.

Among 31 cases of vaginal casarean section only one patient died from an unknown cause, making the mortality 3 2 per cent The maternal morbidity was 64.1 per cent In 35 per cent of the cases the insertion of the placentn was central, in 65 per cent marginal There were 12 children Three of them had died before labor one a non-viable twin was born dead a died after deb ery a of manution. a of rupture of the tentorium one of a disease probably syphilis, and one from an unknown cause. Deducting the non-rable ones, the infantde mortal ity was 24 per cent

Polana, O Further Experience with Posterior Cervical Consurean Section (Restere Eriahrunges mut der Section caesares cervicales poalerior) M uch a seed W husele 114 in 8 f.
By Zentralbi L d. gez. Gyntk, u. Geburtsh, a. d. Grenzych

The author describes 7 of his own cases. Twice there was severe eclampsus once the posterior cet ucal caratean section was repeated in a woman who had been operated upon in the same way Iwo years before one case was alghtly injected and in three cases there were adhesions of the anterior wall of the uterus following a preceding casarean section above the ymphysis. In the first case there was death from eclampaia

The method pro ed good in all th cases The objections that have been urged against it are (1) Possibility of injuring the child his making it breathing difficult by construction of the evel-through pressure of the terms against the symphy sis (2) Severe hamorrhege as a result of state.
(3) The dangers due to the large increase

The answere to these obj et ous are as follo () The peration is earn d out repailly the child needs lettle oxygen and the construction of the vessels as not complete Among 2 cases there was no f a physical flaps of the hildren () There is not much danger (he mo rhage as the incission in most cases as far a ay I m th sat of the placent a d t can asth be oustracted by traction a the uterus moreover an i tact my m trium contract better and more qu Lly than an incised one (3) In the majority of ase a mall abdominal incision is flicient beginning ; to a fi ger breadths bel

Dramage of Douglas pouch in uncless case is superfluous, sinc t is asy to inspect the true pel

with the ut rus a se red and t cleanse t from

any infection lut drainage through Douglas pouch for the sake of added salety is always possible. Postenor cervical essarean section has shown its special value for certain classes of cases auch those where there are adhesions between the anterior wall of the uterus and the abdominal wall pendulous abdomen or undistated os MORALEE

Lawrence E. J. Impassabla Contraction of the Gravid Uterus Report of One Case Verified by Cassarean Section Distantion of the Stemach Recovery harthrest Med 914 I, 69 By Sung Cynce & Obst.

Lawrence reports a case of dystocia due to impassable contraction ring verified by cassivan section. He further attres that in all the literature upon this condition during the past to years, only 4 other cases here been confirmed by this operation. The treatment he adds, depends upon the degree

of obstruction for there are many cases where a well formed Bandl ring can be diagnosed—in these a dose of morphis or an anasthetic will relax the spain Forceps delivery in such cases is easy provided there are no other complications

In extreme cases the use of forceps is either very difficult or impossible because the head is well above the brim. If an application is successful the forceps will also or if traction of any degree is made the uterus is dregged down i ghily over the fortus

Incision of the contraction ring has been done but in a very difficult and dangerous procedure. Cass rean section offers the ideal treatment for this condition. Embry otomy should be done if the baby is dead. Has e. B MATHEMS.

Brodhead G L. Gesarean Section for Doubla Minitifocular Ovarian Cyst. N 1 11 J 0 4 zcix 9 B) S rg Gynec & Obst

The case reported b d had a d flicult labor with a stillbrth previously. In the last pregnancy an ovarian tumor was pushed down into Do glast de-sace on account of whach a creasaria section was performed and the tumor term ed with an barrier of the section of the same of the substitute of the

Roh bach W Results of Examination after Extraperitioneal and Transperitioneal Caesarraan Section (Nach tensukungaresuhate nach xira d im perionealem hauserschmit) Zische f Geheit G. ab o A lyx:

Geb ri k G) at 9 4 lxx 530 By Zentralbi i d. ges Gynal. u. Geburtsk a d. Greszgeb

The author examined 33 patients among 57 which were operat don by Attaperational casare a section and 5 among 51 inspertional ones. There were arely symptoms after operation and each when there were they disappeared after a short time. The capacity fo work was not decreased the turbances of bladder function were observed.

Hermas in the sear were found in 8 per cent of the cases two after extra and one after transpersioneal section. They are best avoided by the lateral oblique income on the left an extrapentioneal operation with untable after treatment. The cervical scars were absolutely firm and reastant to the dangere of renewed pregnancy more so than the body scars. Addressors and bands hetwicen the cerux and the abdominal wall were never observed in spata of the fact that gaue druinage was used in the open wounds and about half of the cases were infected or open to the supplement of infection.

In \$3\$ per cent of the cases of extrapentoneal section the position of the uterus remained normal after the operation. Abnormal positions occurred but were easily corrected in the uters were movable. The primary viability of the children was noo per of the year. The results are good. The most important point in the prognosis of creatrean section is to operate extrapentioneally.

Van Cauwenberghe A Advantages of Artificial Premature Delivery (Uluido de l'arroucheme it prémai de artie, el) Res mezs de guele. Selas el de felt i Bordesux 19 3 xvu 720 By Zeatralls, it dy ne. Gyals, u G Durts, s d Grenzgeh

The author gives a hutorical review of the development of artificial privature delivery and discusses in detail the indications for this procedure Among the methods of carrying it out he gives sample puncture of the membranes the induction of contrection of pituitina the introduction of an elastic impaction of pituitina the introduction of an elastic beautiful and the interest of the state of the without the membranes and this will of the beautiful the membranes are sufficient to the state of t

t Artificial early induction of labor as of great value 1 cases of contracted polvus and is without danger for mothe and child if performed at the right time by a method adapted to the case in band. 2 Child en born in this way have to be handled

with special care and breast feed ug is essential
3 If artificial ea ly delivery is to be considered
the pil s must be large enough so that lalion need
to be induced till the thirty fourth week this is
the only w y to a tout high direct and indirect
in rislity of the childrin.

4 If the pel us us so much contracted that the child can not be delivered in this way at the thirty fourth week. It the sake of the child some other method mut be welected that permits of longer waiting

Llenau A Artificial Abortion in Psychoses from th Psy histric Medicolegal and Ethical Fount of Ytew (Obe Eusslan U of terchang der Sch angerschaft he Psychose in psy hastnech of Psychiathers and stitlethe Bekusthing) Ack of Psychiather and State of State of State of State of Psychiather and State of State of

On the basis of 30 cases the author comes to the conclusion that artificial abortion is indicated in

as it was so the above case. Union does not take place, the muscle-bundles do not regenerate and the scar is poorly consolidated. In the case reported there were unabsorbed exigatin stures in the specimen from the operation a year before. To the 49 cases the inflaudite mortal by as 60 per cost and the material mortality 45 per cost as contrasted with 45 or 47 per cost in other unputers of the uterus. The mose favorable results of rupture us access from castacen section is due to the fact that they generally take place in the hospital Porro a operation is generally take place in the testimost. Fatza.

Fuchs H. Carsarean Section for Total Ankyloais of Both Hip-Johnia (Rasersch itt wegen totaler Ankylose beider Hultgelenke) Masiethe f Ge-

Buri h u G; at 914 atter 477
By Zentralbi, L d. gen Gyndl, u. Geburtsh, a. d. Granegeb. 1 30-sear-old women had had a spontaneous delivery 6 years before her present pregnancy She had had so abortion before the first lelivery and so abortion three years ago with severe symptoms of separ-metastatic pyrmic auppuration in the region of both hip-joint Finally sh recovered but had histeral ankylous of the hip-mints the was a slender woman 146 cm tall she had no abnormalities in the pelvis but the soft parts were somewhat atrophed With both thighs fix d in sheht flexton with marked adducts n and rotation inward vaginal exploration with two fingers could be performed only with great inficulty. The posterior edge of the pel ic outlet however, ould be reached tok sably asily in the lateral noution at about the muddle of the ramus of the pulse. The woman wanted a living shid. The hald was in breech position. Abdominal transportioneal exerrean section was performed so I living full term garl del ered The puerpursum was al bule

Only four area are described to the lit ration of others; t half at anhylous of the high-time were aportaneous delivers and two were detired to research as extremely a substantial to the substantial to t

Lindemann W V glinol Casareau Section in Flacenta Francia (Gordi Anwendung der II yt thomas terus ber Placeau pravia) Fr it Eggé d Gebri k G B 9 4 53 By Zentzibl. I d gas Gyala in Geburish d Greazgeb.

In the treatment of placenta praviz by ex grean section the thor prefers the against route IT advantages as contracted with the ablominal rout are better cosmetic cfl ct and avoidance of herman and supportation of the 'und It has the ad aminge over extraperitornal certains section of being safet to perform 'W the it injunce of the bladde are

almost improsable It may be complicated by section of the placents to the curva but such tasses are tare. The dangers to placeots accreta are that the same in the vaganal and abdominal operation of the wave the materiano of the placeots as not of any spend unpersinner. The loss of blood is not great. The operation stall does not offer any great difficult to the control of the same of the

whome 31 cases of vagoral creaseran section only one patient older from an unknown cause making the mortality 3 per cest. The maternal morbidity was 64 s per revi. In 53 per cent of the cases the insertion of the placeoia was central in 63 per cent marginal. There were ps. children Three of them had died before labor use a non vaulle two, was bore dead of side aft if delivery 3 of unantion, 4 of repture of the tectorium one of a disease probably 3 phalbs, and one from an unknown cause Deducting the non 11 like ones, the foliated sortial values of the tectorium of the desermination of the de

Polano, O Further Expensesses with Posterior Cervical Cenarram Section (Westers Erichtwaren mi der Section cusaires cervicalis posterior) Müsseles sood || Janeles 10 4, in \$15 | Mentalist, of ges, Orant, u. Geburch, p. d. Gesurch.

The author describes 7 of his own gasts. There there was sever eclampsis once the posterior cristial existrant action w s repeated in a woman who had been operated upon in the same way tro years before one case was slightly indicted. We three cases there were addression of the three three there were addression of the control of the co

The method proved good to all the eases The objections that have been superd saganst it are (t) Possibility of supures the child by making its breathing dislicult by c nativations of the extending dislicult by c nativations of the extending through pressure of the utres against the symphosis (5) Severe harmorthage as a result of stan (1) The dangers due to the large nations

"The ane era to these objections are a follows:

() The operation is circuit out rapidly the child excels little o jago and the outstratement between the same and the continuous of the each saw for each saw for the same and the continuous of the morthage as the consist in most taxes in I I as y from the at order and the continuous of the morthage as the consist in most taxes in I I as y from the at order that the same and the control of the morthage and the control taxes in I I as y from the at order that the control taxes in I I as y from the at order that the control taxes in I I as y from the at the control taxes in I I as y from the at the control taxes in I I as y from the at the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as a from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I I as y from the control taxes in I as y from the control ta

bove t
Dramage of Douglas, pouch in unclean cases is
superfluous no e it easy to inspect the true pelvi
with the treus and certed and to cleanse it from

placenta pezvia is made the child should be delivered without regard to its viability. The author recommends as the best methods various or me treurysis. Cases of premature separation of the normally amplanted placenta should be sent to the hospital for immediate operature delivery.

litrrati

Sergent E. Tuberculosi and Pregnancy (Tuber culose 1 grossesse) Rev prat d'ob 1 1 d polisi 9 4 xx 47 By Zuntralbi (d ges Gynak u Guburtah d Gress,ch

In regard to the influence of tuberculous on pregnancy the author states that tubercular women seldom become pregnant and that abortion is rare even in cavernous phthisis In very advanced tuberculous abortion occurs spontaneously or

during hamoptysis or an attack of fever

opinious are divided According to most authors pregnancy reduces the resistance f the body (chlorosis decaleification exerction of pho-phorus) brequently auto intoxications appear from the liver Lidney and adrenals Decales fusion adrenal manificiency occur both in tuberculous and pregnancy so there may be summate a of the in jury done. Torpid sases of tuberculous may not be made any worse by the pregnancy but procress a tuberculous usually is The latter part of p cenancy the puemerium and nursing are especially dangerou for the tubercular woman - labor itself In unfa prable cases the pat ents de two or three weeks post partum with se ere lung symptoms or of miliars tuberculous or after a few we ke or month the disease grows worse and the patients slowly accumb t it

Since tubercle basells has e been found in the blood of the umbited vein direct transmission of tuber ulas a from the mother to the child cannot be excluded but infection in the family and inherited prelaposition must also be considered. As 37 per cent of the children of tubercula mothers fig. 11 is evident that artificial abortion abould not be eyer.

formed n pregnancy

The thor ad uses tubercular wom n not to me the result of the taken to the the taken to the the taken to the the taken to take taken to take taken to taken t

Imhol r R The Present Status of th Question of Tuberculosis of the Laryna and Pregnancy (D grg arus Shand de P g der Achli pi 1 berk lose nd Sch angerschait) Pr g med II å vår 9 4 32.

B Zentralbi i d gen Cynal. Geburtah a d Grentreh The uthor has det mined from a t dy of the it r t re nd his ow cases that tuln reulesis f th

larynx is a relati by r re complicat is of preg ney \ ther by I meal nor pathological anatom ical tudy could be demonstr t a pred positin of pregnant women to tuberculoses of the lary nr Be prognoses of tuberculoses of the laryng ns sattemely unissorable. The mortality ns 80 to 90 per cent In cases of tuberculoses of the laryng nand pregnancy for the first five months abortion should away abe mudecad and tubal steriluzation performed Pregnancy after the fifth month about be allowed to continue and premature debeers should not be induced as the results of premature labor are very lad

The treatment of tuberculosts of the lary na during pregnancy should be limited to palbative measures Tracheotomy should be performed in severe dyspiners but tracheotomy as a curative measure which was formarly much in ogue is now seldom recommended. Ozarit.

Rosenstein V Appendicitis and Pregnancy
(Appendicitis und Gra id litt) Mo sinch f G
hish G sh 9 4 xxxxx 7
By Zentrallid d ees Gynk u Geburtah a.d. Grenzeeh

Supped treatment is much room to be commended in pregnancy than conservative treatmen! If the appendictus is mild e pecally in the first half all the appendictus is mild e pecally in the first half all registering the pregnancy the pregnancy the pregnancy the pregnancy are being a present that after an abor is present to an or premature delivary the prognosis is better the sarker appendictionly is performed. If there are gas of a beginning abortion or of premature, delivery, the appendix has first been successfully rouse call many cases. Such as successfull case is recovered to the premature of the premature of

By Journal de Chirurgi.

Chinecians are so I aid of the frequency the suddenness and the rapid der lopment of in pen detas in pregnancy that they probably make a diagnosis of appendictus too readily. Fain in the ight hypochondrium with contracture and nee of I innertaine may be found in many different kinds

" officiative may be rolling in many different kinds of all cities." The author reports size cases where the chaptons of prend citis was wrongfully made in the text text was a Neckel's discripted in wery as the text of a dirmond cyst of text prend in the condition of the condit

Watson J Three Cases of G II 5t nes Associated with Pregnancy G 71 II 9 Ga 19 4 us By Surg Gy ec & Obst

The author recently had as pat nt three preg na t w men who suffered from the most t mble distulence and indigestion absol taly unrelieved by psychoses in all cases where the cantinuance of prignancy virously and permanently endingers the mother a psychic condition and where the lamly physician and the psychiatriss believe that by interrut fing the pregnancy the danger to the mother can be avoided introduced abouting about he in local mine irrequently than has heretwive been done in case of two contail decase institutions of the case of two contails decase institutions of the cases institute to the contained to the prederred of about to an account of the case of two contails decase institutions of the cases in the case of the

Benthin William Lan Bad Results lie Aralded in Febrila Abortions (the kan mas olde in ging bed febrets (ten Abort u um bet u e ment al) Desirate med it shade rote, al, 98

by Americal of the Cyale is Courtain and Country for an old searce officers or of the in the after treatment of I buile abortions it is not vary to exclude from active timely many completed.

by para uterine discuse an I I rith a surpose careful examination is note sary. Among in uch cases acre tre tel acti ely auth a feaths and re con

servates is with 4 d athe

The bacteruslogral fighters mut be a ten line consideration for the changes is great of the home-bite streps succeed as the property of configuration of the changes of the configuration of the changes of the changes

If his liftest productiare rise of monerous a treatment is to be not minefuled it is said test in he is regoting a fill dirt. Set he harmorphage necessitates emptying of the uterium it to roper in of the base and when a casary it should be lone with the finge ord as unsernal by as bossible.

Pru ik and Tunis Th. Blood 3 menta le Preg mancy and Diacase (Cher das 1 halt der Unt lerment im 1 la f. d.e. h.h. ancrechair and

lerment im t is i d'r 5,h angerachair and h ankh tien) Lib blod 19 4 5 230 By Zentralbi i d'ges t ynab Lebutsh n d Grennych.

The authors give the results of 1211 at of blood sera with so different organs a 1 sign. It is blood cerum of prignant a men was 1 sted and placent us of oras with 53 josostic and force negative results of these three necessary of the organic results of these three necessary of the organic products of the series of the series and the third from a wons in the third mounts of precisions, the first 1 we cases as or accluded from the e as even of the series of the

The sera from lose per guant women with a philise established hidney as did also that from a case of hyperemessa gravidarum. The serum of t a cases of erlampus catabolized the placents of other case as well as their own and among the other organs had the strongest effect on the liver the theiry tissee as not estabolized. To eases of fibromyons tested with the seriem of proposal patients gave a negative and 7 positive results.

The sera of men and non preparat women win carenoma was feeted up 1; even there are posture re ultish a per cart of the eases with reastnoomado or, and and 1) whive results in 30 per cart of the case with place the . The specificity of the reaction was contribled by an experiments at the erum from mules and 21 eases that we re certa by non preparat in all part eros of the eases the placema was estab-

In the usual methods the authors point out the importance of med all it aim on it the real importance of med all it aim on it the real alter postas turn scoled and inholysanthe sera casaobsert aim on organs. Is to the quantity of the ract on they be presented the it is after as and albours. It has repeated the it as there are no hours, the present repeated at real hours, the consecution of the control of the concases that had been positive the first time after all hours they were all presents.

Freden tein K r Harmorthags during Programs (lit tungen in der Schwangernhalt) Forinde d Med dig unzu, 340

By dentralit. I d gen Gynat is in burne a d Greuzel.

Hamorhipe in the leginning of premised my be the issuit of general durant of the most of ead metric, s, red attempt at abortion. There is generally distances the tate on the owner and the wall of the utern, and hamorhings between the min and the mu our men in the owner was to the special production of the second of the special production of the uternal to the special production of the uternal tollow recommend. If young the south of the uternal tollow the special production of the uternal tollow the uternal tollo

If tampon a more than the stay occur at any time during preparing be counts the historical resulting from intenses to the trees and harden preparing the resulting from intenses to the trees and harden the states of the stay of the stay of the states of the stay of the states of the stay of the s

pergonney be counts from hage from varies from rupture of the term rom placents previous of the ormally on tred placents. Both I the latter anomalies are discussed in detail 4 soon as the disquosis of

threatening conditions in the mother or child force him to delivre. The methods that can then be used are cosarean section behostestomy and cramotomy

In south of the fact that the use of forcers as irrational in contracted pelvis they can be recom mended for slight degrees of contraction when the conditions are favorable. If an attempt at forcens deh ery fails cramotomy cao he resorted to As only the birth name can overcome the mechanical resistance without danger these powere must be allowed to act, and even if delivery is very painful morphine must not be given Rupture of tha membranes must be avoided before the os is fully dilated Nothing is gained by premature rupture of the membranes, and the danger of infection is uncressed.

In conclusion Meyer in es a review of 18 cases of flat rachitic generally contracted and generally contracted flat pelvea from Oct r 908 to Sept 30 1073 Ther were 68 cases of apontaneous delivery 53 t per cent casarean section 8 r4 per cent hebosteotomy 5 cephalotomy 10 forceps dehvery 17 13 3 per ceot ersion and extraction mature induction of labor 8

Among the 7 cases of forcers deli ery there were several cases of rachitic flat pelvis, where the head had already passed the co tracted part so it was no looger really a question of delivery from a contracted pelvis and there were also several cases of forceps deli ery at the pef coutlet where deli ery would have ended spootsneously if the physician had not been compelled to end it on account of threatening intra us rine asphysia or some other complication. To se eral of these ases operative interf ence would be avoided now by the admin natration of pitestrin S & GAMMELTOPT

Trey R da Breech Extraction by Deventre Mueller a M thod (Lextraction d) three d puls Deventer Mueller) 4 & grafe et d'obst 9 4

By Zentralbl f d ges. Gynak. Geburtsh s d Greazgeb

The delivery of the arm by Decent r Mueller a method has the ad antage of making any internal ma pulation nunecessary In the obstetrical chinic at Lausanne it was precticed for the reason followed by deh cry of the head by the Prague mampula The method is auccessful in the first and second degrees of contracted pelvis and also with large childre Care must be t ken that n the debt ry of the body the shoulders occupy the largest diamet r of the pelvis. The method is successful in 93 2 per cent of the cases it fails only in abnor mal positions of the arm a dine treme narrowness of the soft part The refantile mortality is mark edly decreased n the old classical method it is a per cent in M ller a method 6 per ce t Fractures of the arm also are decreased from 6 s to 1 per cent

Among 8 cases of Mueller a delivery of the there were two compound fractures of the cery cal wertebra. The average time required for extraction hy the classical method is a minutes by Mueller's method the time is 24 minutes. Tears of the perineum are less frequent in the classical method (o 7 per cent) then in Mueller a (15 7 per cent) The author attributes this not to the delivery of the arm but to the Prague manipulation Rise of temperature is less frequent to Mueller's method (3 5 per cent) than in the classical (46 a per cent) which is due to the fact that in the former method there is no internal manipulation

Pierra L. Three Cases of Severe Obetetrical limmorrhaga Treated by Momburg a Mathod with Success in Two Cases (Trees observations d'hémorragies gra es de la délivrance traitées par le procédé de Momburg avec succès dans deux as) J d ges f mm rg 4 lu, 66
By Zentralbl. I d. ges. Gynik. u. Geburtsk. s. d. Grenzgeb

The author describes two cases of severe hamne rhage after delivery in which the patient had fainted several times and the radial pulse could bardly be felt both of which were stopped almost ammediately by the application of Momburga tube. In one case the hamorrhage occurred after a forceps delivery and could not be stopped by an intra uterine tampon in the other case the hamor shage followed a pootaneous delivery. The hamo-stasis from the tube was so complete thet a tear of the permeum could be sutured without a drop of blood flowing Io a third case the method failed because severe heart symptoms appeared when the tobe was applied the patient had mitral iosuffi ciency She suffered such severe collapse that the tuhe had to be removed. The hamorrhege was stopped in this case by a tampon FEA EPASTER

Maccabruni F Relation of Syphil a to Dead Macerated Fortuses (Sifilds o lets morts macerate) Arte suid Milano, 9 4 xxviii, 65 By Zentralbi f d. gea. Gynal. u. Geburtah a. d. Grenzgeb

Vitre a detailed discus ion of the literature in regar f to the effret of syphilis on the maceration of the futus the author tries to determine the per centage of deaths and maceretion of the fortus due to t In cases of pure maceration he studied the relat on hetwren the weight of the foctus and that of the appendages in syphilitic and non-applilitic cases He performed 50 experiments and used the Wattermann reaction and demonstrated the apirochates to show the pr sence of ayphilis in ar cases ayphilis was demonstrated. In a cases a probable diagnosis f syphilis was made in 24 cases syphilis wa scluded as the history clinical biological, and hact riological findings were nega ta \mong these 2; cases the cause of death was soft knot in the umbilical cord in two cases pre-

nature separat n of the placents in one anencepha lus in one ecfampsia in one severe albumi uria in so and in 9 cases 8 per cent the cause was un an wn If the seven do btful cases f st philis are added to the rertar ones syphilis is the cause drugs and diet " his months later the first noman was operated upon after several attacks of biliary colic. She recovered and has remained well.

The second patient was better for a year after the burth of her child but the digestine disturbances returned and an operation showed a galf tone and many adhesions. The atone was removed with the galf bladder, but the patient did on the third day

gair bladder, but the patient di d on the third day.

The third case had been delivered permaturely and after delivery became jaundleed had claycolored stools and bile in the urine. C II Dayta.

Muga Jr G.: Gynatresia in Pregnancy (Cher Gynatresen in de Gra dutt) A ch. f Gynat 1914 e 664 fly Jenushii f d gen Gynth. u Geburch, a d Grangch.

Mice discussing the hierestice I the subject a case of occlusion of the internal os during pregnancy is described. On account of criamina and the fact that the occlusion was apparently caused by a tumor total extigation was performed in the sixth month of pregnancy.

The occlusion was not caused by a tumor but by a small at h of tusue which extended from the posterior to the antenne wall of the uterus It was constred downward and to ered over the whole certain county It was t to 5 mm thick Illujo-I greatly there was inflammatory erosion of the os and the squamous epithelium of the os estended high ut toto the erria and there was marked milam matory intitrate a of the tasue There was stratch atom and fenestration of the certical and clan fulac of th hum to th upper part of the cerus. The bridge I tissu was made up for the most part of emouth mustle no scatneral tuste being subje It was ther fore a omplet muscular occlusion of the nt nal os in pr gnancy resulting from an in flamm t ry prox is whi h had r used chiderman-non I the gater part I the cervia is certain conclusions as to the ge of the inilamm tion could be drawn from the microscopical picture nor could the tiol go f the disease be determined. The f cotton t mains open wh ther it was an afeet us process or th se ult of an earl er buth tr uma

The a ther observed am late changes in ite exvised epithelium or second sass of pregnancer is which the uterus wa remo ed on account of large myoman of the certur. If ere to the histological picture sho ed at at 6 at n and fearthan on of the cervacil epithel in with it may be the conceptible of the control of the certain of the cervacil epithelium of the os also at used high up nature.

Afühibaum, A. The Prognosis in Chores Gm i derum (Di Prognose bei Chores gra ularum) Pr it Expé d ¿ b ri h G sak 9 4 £ 55 By Zentralld, i d. ges. Lynkk u Geburisk a. d. Genegek.

Muhlbaum believes that chores during pregnancy is really an unusual disease but that it is more frequent than gynerologue believe to fir the patients come to the neurologist for treatment oftener than to the gynecologist. It is rertain that there is a connection between chorus and abeumatism, but

there are other causes of a sexual nature modeled. Wubblaum distinguishes a mild and a sever form of the disease. The cases that develop slowly belong it is the former class 3.75 per cent of their make cases retover during pregnancy or the devery as spontaneous and the patient is dacharped cured a bort time after. In the severe cases the choice a bergue couldney without premonitory symptoms. If the muscless—even those of the butterlawn of the couldney without premonitory symptoms. If the muscless—even those of the butterlawn of the couldney without premonitory symptoms. If the muscless—even those of the butterlawn of the couldney are made and the couldney of the

within a tre 2033.

If the control to the control to the control to the carbita is noted, evidently the upon of a latest cheumetism. Cares perceded ly infantile thorn almost always have a favorelic course. Recurrences of chorne in Lieu perganetics are sever Rest in hed lockston in-drother course. Rest in hed lockston in-drother pollowed by a concared airriteria and injections of ask solitions of control to the control to t

Ronheeffer beheves so conservative treatment when there are cymptons of rereat endocarditis, when there as fever and when there shall be a stacked of here is the stacked of here that recovered oponaneously. In such case he was the treatment for the factions and rich as it may be considered the stacked of the stacked of the stacked open and to per cent and that of the chieffer he between 40 and 70 per cent. The prognosis of variety by in cases that he when preceding by justice that the whole preceding the stacked open and the sta

Erest.

LABOR AND ITS COMPLICATIONS

Mrs er L. The Treatment of Labor in Contracted Paf is (Die Bch adl ag der Geburt bet erengten Berken) ber k f Legor 1941 2 an By Zeatralki f d.gras. Gynak u Gehurish a d. Grennych

In the treatment of labor in contracted privano drin t rules can be at blashed depending o the d gree of the oun etton the tendency is increasing to observe the course of the labor and to have the trailme to the fact observed. In 128 cases of c tracted fafters dult ery was spontaneous

in 5%, or 53 per can.

Prophylacian measures—uch as prem t re nduction of labor exaure—nect on t the beginning of labor and prophylact e enson has ea very insited field of usefulness and can only eacept onally be used on primparae. The physician should wait and act only when long observation has shown that the di-proportion cannot be overcome or when

decreased by removal of the membrane this how ever can seldom be accomplished at least manually. The membranes are discharged it her in bits of altogether the latter often littiseen the lourth and the ninth day. It is possible that it is though a membranes play a part in the causation of endouse tritis.

Rachmanow A N : Non I igation of th Umbillent Cord Practiced in Ten Thousand Deliveria (M thode de Nichtunt h dung der Nabelschn r \ gelightt bet 1 000 (seh rten) Zeu dist f Gyash 10 4 zz 11 500 By L tralbil i d. gen Gynal. Geburtsh z. d. Grenzech

It is physiological not to lighte the umbilical cord in man and an male the structure of the umb lical resets is surp that when the lattie is separated from

the mother by rupture or cutting ut the unbifical cord its each is of bleef. Beaching we have the cord in the season of the cord that the cord is the cord of the

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Notes ehid in th san likel om ha mor hage
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i h lac y halti immatur haltin. Th
method; without d nger i hett i r the

hildren be ause the mill u heal bett

PUERPERIUM AND ITS COMPLICATIONS

Porter W D Puerperal Eclampst with Special Rel r nee to Pres ration La 1Cl q 4 40 By Surg 6 nec & Obst

The uthor use that d rang progn so, not it to be give wom a not have hull re sou it to lectampe which he tory of opheric ray his wan a hall me to the total ray he had an ab mail met but by of the ne was a time. When a symptom of celampasa appear he had to be a time programme of the particles it is promised by the particles in the past of the second of the past of

of Freeention 1 g M S m M mk g 4
B) S rg 1 nec & Obst.

The author quot some interest g at 1 at cohowing the gre 1 raise. It is face f is
j the teeps d in g the just halfe in r. The
gre I tan geo I usetper 1 espis began to decrease
liter thee table dame t I hoof tall in the ghierarch
turn In 1410 Wendell Holmes was to go

the "Contagiou ness of Puerperal Fever and in 1847 Semmelwers published The Observations by Helya.

Zangemuster and kon g have proved that a ski wilection does take place no a small number of cases. Zangemuster reported 100 cases in which an extragent als cause could not be lound. If le found striptococci as a primary infecting gent in 1sty see enperient taly hloococ reported to commission, a per cent in pneumococci as per continuous and present life of the will be seen that the source of infect in its more often extragent?

The author does not believe that an int rnal ca ammation is inter sity except his no some opicities procedure must be und realized or who it is absobitely impossible to make a diagnoss by catalonal manipulation. When the presenting part is intended manipulation. When the presenting part is into and or into restrict the arms fell by ju hing with the glo c1 hand upon the side of the valva, or in serting a finger in the rittum. With propier aceptic care on the part if the obstetrician purportal spins will be after 11 sthing of the past. C II Duy.

Sepais J in M i total in 1873
B) by rg typer & Oid

The recently treatment f apr my be umm dup in two word urgo: I chanl ness. The nearer the b tetne use is handled like a my r surgical one the less will be the danger of infection

The tentication of het, gave too ha and often it to matter of some directly. If acce, to a hope had, to made the cut is a hope had, to made the cut is a hope had, to made the cut is a hope had, to make the cut of trait method. The time hon ticustom of baking in the his ho is not allow in a dan in the home had are so harm's a practically to direct the hist at are so harm's a practically to direct the hist and are so harm's a practically to direct the hist and are so harm's a practically to direct the hist and are so harm's a practically to direct the histogram of the histogram o

The physician is 11 wash hand just as refull as it also to per to and in addition should wear a trul to rill tago non like led rubbergho.

box lertu ar ope to up un

The host step in the cur to eit it in to self to carma us the local insinfect un. I the gen tal canal comm niv but remneously speken of as currelt genonyrat in more abused than in sigle ou in bit tit. It is in leaf to linke right, see any property son self-roduct of much good—improperty sone it may be be no ridal.

to anesthest i necessary. The patients [Jacob na t lie dit who and spins ar arrising claused with stir t ture of green suap and at ril wat r | 11 w t by s | 1 uche | r r r oo mercune thinned solution. The an mori pol the more than the stir should be solven there he to measure that are an an all polled down there he to measure the transition of the second solutions as their r a from it cut turned in red in section and y masses it to be need in red in

of death and materation in 32 peet at of the uswhile in 45 present it must be easile 120 the cause of leath.

During h to by the author I and two other fast or that are of importan e in the logical of sphuli explail it outcohoodints at I an a soom a feature in we all between the eighers here to a like total wight of the I tust. He careed out I tust experiments in r g of to those two its test of the experiments in r g of to those two its test of the experiments in r g of to these two ight i failure letter a the place fast in letter as ed I to the letter a transport of the experiments in g the experiments in the

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Hy & Hald I derei ; the labeled a LC sera The last that with every parathed by of the ut to posterio forth with the he against our part The ut tu h not out t g talaulor acters as & at a v sy suly stage the part a of the itacion is The libe the wisd lited, the n re the ter a stretched t and ther fee tle helps the ortra il n tir When the 10 to blate t to the see fa use a sth ; ce tt an be It too tiger k ab alo ette je by when It is the et are breaths above it the co is dil ted to the sue of the july of a a sud h t 1 ad when tiens a onthe ly latel it list get faralthe and class the hard and and property and the state of the second and the second that the second the second that segment of the tt I that at tee les the is are sary to we the method as 1 's but a a pil in the mids schools such kits t the method was to tim wo is the and that we unly speed at of elects to use or to will d deuth nima t emay be med all or even imp while to use this method it had ad a tare t that t lea se the see way te lot to I chaminain

lisehn il laternal l'amination duting labor (Chet use Let) pilit à i d'ause i publica thre l'd technit) & soit firs at

the programment of the programme

This prof g ad f t that same t we duting labor We have nor p to an ifold g the signs carefully diagnost n for said of the prevention of the signs of the signs are the signs of the tif me the portional lines of the tif me the purpose alone of the tif me the purpose house be wouch of the halfs the f is the there of histation of the on a loss better mind.

by steinal examination. The contraction may serve a a guide here but it ran only he left has the blatler is may an i d may the pain. If we it we do not not not the blatler is may an i d may the pain ill we it re old a normally the contraction in all we lound alorst lour finer breather also call the contraction may make the use highly did sell. If the contraction may make it is the on his not distinct to the sare d as for many here? But it it like the call in the the I Treit stages of iditation of the one.

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Cabaston J A 1 h w M shod of testificial reparation of the Placents (f se new M the, h which I include ag) M sales, and ficis-

had one had still be a state of the control of control. In a case I complet pool pattern at power at a collection of the control of the contr

Guild I P. Ret tion of Membranes in Juli form Delt sty it her use Rever on an Lebate det reties in terbury. In it flager out 1 450.

By Zest and I der by nah a Lebanta de Lessungh.

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I n more to the control of the contr

The prespectal morbid is som while gre it is a saw where the member extent is and while the first and

sensitized streptococcal vaccine for prophylsetic use in maternity practice.

2 The use of a sensitized polyvalent streptococcal vaccine as a prophylactic is advised in the

event of an epidemic of puerperal infection.

3 That doses of roo 250 and 500 millions of this
vaccine be given the expectant mother, at forty-eight
hour intervals ten to fourteen days before the ex-

pected date of confinement

The author uses dead bacteria in preparing his vaccines

C H Davis

Gelihom G rThe Management of the Puerperlum a Chapter in Preventl a Medicine. Le cel Cl s 1914 cm 722 By Surg Gynec & Obst

The author ducuses the dangers of the puer perum. He criticues the tendency on the part of some German obstetricans to get their patients up shortly after confinement. These women need rest the length of which should vary according to the needs of the individual cases, but should hardly ever be less than two weeks. Obhausen has stated that oper cent of all acquared retrofacesons of the uterus organize in the first pureperum. And the author that the contract of the proposed of the state of the proposed of the state of the proposed of the state of the polyse that sooner or later subjective and observire avantous swill occur in all cases?

The failure of medical men to seree on a higher standard of obstetincial services and a higher remu neration, the author thinks has belied to confirm in the minds of the public the bel of that partunition is a more or less neglighle condition. As a result our hospitals are filled with women and most of the operations are done to correct disorders which in their last analysis are due to failures of obstetices.

C H D vis

Fabre and Dujol Influence of Gonorrhoen on the Puerperium (Influence de la gonococce sur le puerper m immed at) Bull Sec d'et i d gyate 9 4 m 200

By Zentralbi i d. ges. Gynak, u. Geburtsh s. d. Grensgeh
The author believes the harmfulness of gonorrhora

In a minor technical control of the purpose in that occur in a supercist governor case cannot that occur in a supercist governor case cannot that occur in a supercist governor case cannot be a cause. The secondary case is the cause of the cause of the secondary cannot be caused by (1) purulent lochia in which goseocor are faut of) delayed involution of the uterus (2) urregular and generally modrate fie et (4) a quad-zeed pulse and very good general condition. Severe consequences only follow when the woman has had a fresh and severe goosorbeal infection shortly helder dish ety or when there are injunes of the parametrium.

Among 600 pregnant women the author found a suspicion of gonorrhora in 3 n 22 of whom gon orrhora could be demonstrated chinically and bacterologically. Ten of them had no rise of temperature during the puerpenium. Of nine women who showed only the clinical signs of gonorrhora.

two had fever Complications due to genorrheal therefore occurred in only 5 per cent of his patients during the puerpenum as contrasted with 25 per cent given by other authors

42I

MISCELLANEOUS

Schottlaender J Theory of Abderhalden a Pregnancy Reaction and Renarks on the Internal Secretion of the Fernale Gentralia; Consideration of Morphological Principles (201 Theorie der Abderhaldenste: Schwangerschaltsreakino, der Abderhaldenste: Schwangerschaltsreakino, der Schwangerschaltsreakinoder Schwangerschaltsreakinoter Strate (201 Section 201 Section

By Zentralbl. I d ges. Gynák. u. Geburtsh s. d. Grenzgeb.

The anthor discusses the question of whether new points of view may not he discovered with respect to the source of the protective ferments in the pregnancy reaction as paradorical reactions in some cases of tumors of the adners, carcinoms, and myoma cannot be explained in the usual way He helies es that the decidua is involved either alone or to a considerable extent Brbne has shown that in pregnant cows the maternal and fortal parts of the placenta are catabolized separately and Deutsch and kohler found catabolism of the decidua in five cases in human beings in this the deportation of villi does not play a very important part direct contact of the feetal epithelium with the maternal vessels disappears early in pregnancy The materials originating in it reach the maternal blood via the decidua.

As the chonomic valls normally disappear soon after deli ery and as protective fermeots can be demonstrated 14 to 21 days after delivery, decidual elements may he acts e It remains to be shown by systematic research whether the ferment reaction persists longer after abortions, and whether it is particularly strong in cases of hydatidiform mole and chorio-epithelioma The intermenstrual period is snalogous to pregnancy. The theca lutein cells in the ovaries are especially well developed at this time Decidua cells appear outside the nterus, in inflammatory conditions, during the antemen strual prood The fact that theca luten cells I ke decidua cells always seem to appear when the epsthelial cells of the corpus luteum seem to have exceeded the maximum of secretion and the fact that decidua erlls are found in inflamed ovarian cysts seem to indicate that the two kinds of cells have a close mutual connection. The decidua, not the pregnancy is responsible for the persistence of the corpus luteum. In patients with amenorrhora the development of an antemenstrual status must be considered. The fact that a positive pregnancy reaction was found in patients with amenorrhoea is perhaps to be explained by the fact that, when there was hyperfunction of the ovaries an antemenstrual status was brought about hut in patients with hypofunction it was probably explained by the

presence of these lutern cells. The further con sequence of this would be that sometimes there would be catabolism of the placenta in gris past before puberty.

BENTINE

Zweifel Herff Hofmeler and Others Significance of Abderhalden a Reaction in Obstetrica and Gymecology (Umirage her de Bedeut ug der Abde haldenschen U tersuchungsmeihoden für die Gebutschile und Gynakologie) Mei Mi

Berl. 10 4, x, 453 By Zentralbl. f d gea, Gynak, u. Geburtsk, a d Grenzech,

A series of questions was sent out with a view of getting an idea of the importance of Abderhalden a method in obstetines and gynecology. The questions were (1) What results have you obtained in your clinic with Abderhalden a method? (3) is the methof practical? (3) From your experience what is the general value of research in the direction in augurated by Abderhalden.

fufteen university choics answered the questions in detail and gave the number of eases they had examined Twelve reported excellent results among them Zweifels Herff s, Holmeier a and Argener's chnics Bumm's Stoeckel's, and Menge's had less favorable results The majority of the investigators agreed that the method which gives its best results only in skillful and experienced hands is of great practical value and even indispensable in differential diagnosis Some of the individual cases demon strate this for instance one from Winter's clinic where it was necessary to make a differential diagnosis between ectopic pregnancy and infiam majory disease of the adnesa. Abderhalden a reaction was negative and operat on confirmed this result A similar case is reported from Zange meister a choic where it was necessary to make a differential diagnosis between tubal pregnancy and tumor of the adnexa Abderhalden a reaction was negative twice and operation showed a tumor of the adnesa. All were agreed in answer to the last question that the research opened up by Abder halden offers the most unusual prospects

WILDERNITE

Krupski A. I. The Clinical Value of the Abderhalden Reaction (Dr. kh. siche Wert der Abdhaldenschen Reaktson) R. th. V. eth. 9,4 xm, 413.

By ZeiralM I de go Gynak Geburah a G Greageh The author has used the Abderhalden reaction in over on cases among those examined were sormal and eclamptic pregnant women women during the purspersum and after abortion and on pregnant somen. It was also used in rocates of cancer The results cannot be given in detail. The author finds that the reactions posits on in different claims of the reactions posits on in different claims of the reaction in posits on in different claims of the reaction in posits or in different claims of the reaction in posits or in different claims of the reaction of the claim of the reaction of the contraction of the diagnosis of pregnancy in the first contracts for the diagnosis of pregnancy in the first section. weeks or even months as often very difficult. More over the reartion remains positive for two weeks after delivery or abortion. This has practical values in clinical work and in legal medicine. The author behaves that this is the extent of the value of the reaction for the present.

Eabensen L. A. Use of Extract of Hypophysu in Obstetrics (Der Hypophyseastrakt 1 de Geburtshil) Ugal J Leger 19 4 k 11, 635
By Zentralbl. f d ges Gynak. u Geburtsh. a. d. Grengeb

Esbensen has collected 166 cases in which extract of hypophysis was used pituiten heing used in some of the cases and putujendof in others. He prefers pituitin From his examination of the material he comes to the following conclusions.

t Extract of hypophysis produces or strengthens
the contractions in most cases. The contractions
appear rhythmically with pauses between them

2 It cannot be assumed that the contractions caused by extract of hypophysis are not similar to the physiological ones because the pressure rises in the pauses between the pains this occurs in the ordinary pains when they become atronger 3. Vortion cannot be studed by it.

Shortion cannot be essued by it.
 It has the same effect in prem ture as in nor mal delivery if labor is in progress

3 In full term delivery it acts hert during the

6 Good contractions are not made hetter by extract of hypophysis but neither are they made tetame 7 The remedy has a regulating effect on paniul

contractions that are not producing any effect 8 It seems to prevent rue of temperature at

least to any considerable degree o It did not cause post partium alony in any

ro. It is not dangerous for the child.

11 Heart disease is not contra indication in

rts use neather is album una nor slight nephrits ra It should not be used in threatened eclampas S A GARRELTOFF

Bertoloni, G Usa of Extract of Hypophysis in Obstetrics (L pote pus possus: 12 ostetrica) Fol Oses 9 4, 12 67 By Zentaibl f d. grs. Gynak u Geburith z. d. Grenzeb.

After a discussion of the literature the authortopest he was results in a cases if it used entered of hypophysis made hy different firms in cases of abortion permature deli ery contented pel is, placenta previra alony in the first and second stages, post parism stody as a prophylatic in or endotra in the stage of the contraction, one endotralife had different complications is chas spassed the cervars, dangenous trianse contractions, once exfated asphyras of the fectus and severe hemorrhage in the third stage; i other cases the remody failed or the results were so unsatisfactory that operative the contraction of effect, and in one case the use of forceps was avoided He has no great enthusiasm for the remedy and thinks that as it is rather dangerous it should not he placed in the hands of ineapenenced practitioners and midwives

Oertel C. Laudanon in Obstetrica (Laudanon in der Gehurtshilfs) Afunchen med Il chusche 1914

I a 604 By Ze traibl [d ges Gynal u Geburtsh s d Grenzgeb

Most of the alkaloids contained in onium are not necessary to produce the full effect of onum they are unnecessary balls st Some of them however are very useful Thehanc for example inhibits the paralyzing affect on the respiratory center stimulates it in fact and decreases the irritability of the vomiting centar

Laudanon I an onium preparetion tested by Faust contains 6 opium alkaloids morphine narcotine codeins papayanne thebaine and paresine Laudanon II which has about the same ffect has the same constituents but contains less

narcotins papavanne and narceine

The nuthor tested audanon on a woman and 43 found that the pain was mark dly decreased and especially so in a case of septie mateorism In 12 of 13 women the second stage and the delivery was rendered less painful in some cases frue from two cases which had been at en pituglandol hortly before for t ny the con trections stopped gain completely timest all trections stopped gain completely timest all the children in dimmediately after deli ery in only one case artificial respiretion had to be carried on f 15 minutes on ccount of parslyss of the respiratory center

No unpleasa t by o after effects w re obse ved in the mothers, n rate of the fact that som of them were given as much as 6 ccm of lauda

One com of laudan n was giv n intramuscularly the first affect becoming perceptible fic ten minutes it was complete after 30 minutes ind lasted two hours, when if necessary anothe cem was niscted Woman who had not been gi an laudanon before were given a com at once one half hour before delivery was expected

Laudanon has pro ed of value in eclaminia also cem quieted the mothers so that delivery could be completed without gury to mother o child CHRE SEEC

Account G Pathological Amatomy of the Pi cents III Albuminu is (Ricerchy ull anatoma pathologic della placents Notz Alb maur) Fol zyace 9 4 kz By Ze 1 albl i d ge Gynal Geburtah d Grensgeb

thor has demonstrated changes n the placenta in eclampsia and in pregnant women with

alhumi uma he regards these a the anatom cal ubstratum of these auto intoxications. In women ith bronic nephrit show ngan cute exacerbation there re generally changes n the vessels while in the insicoses of pregnancy there intense atypical

prohisection of the syncytium which penetrates the will themselves and leads to deformity and podulation of the ville in other cases conglomera tions of tills are formed that lead to stams and dis terbances of circulation in the subdecidus by de peneration and proliferation fibrin formation and atratification and in conjunction with separation and destruction of the avacytium cause the forms tion of nodules in the placents. The destruction of placental tissus and the passage of these placental aubstances into the blood causes the wall known aymotoms of intoxication changes in the blood the sessels the liver and the Lidgesa Renewed and atronger hamorrhages are caused in the placenta and basal decidua by the hypertansion of the arteries nd the increased blood pressure

Lampe, Arno E and Fu ha R.; Tha Action of tha Blood Serum of Normal and Diseased Indt id uals on Placental Albumin (Übe das V belten des Bl teerums Gesunder nd Kre ker gegenuber Placeaten eras) Deul he med it chniche 10 4 xl

By Zeniralbi f d ges Gynak u Geburtsh s d. Grenzgeh

In contrast with the findings of Michaelis and Lagermarck the experiments of the nuthors with aera of different origin from pregnant and non pregnant male a d female individuals shows that placental albumin is catabolized only by the serum of pregnant women and that this reaction le therefore stro gly specific as held by Abderhalden In thousands of non pregnant cases no ferment was ever demonstreted that acted on placental albumin One or two rare exceptions to this rule do not justify the conclusion that the protects e farmants are not specific but should only stimulate an interest in further ferment atudies

Zwelfel E. liel E. Esperiments in Influencing the Bacterial Content of the Vagina in Pregnancy by Medicinal Irrigations (V ranche ur Bee n-fluss og des Baktersengehaltes der Scheid Schwang erer durch med kame tose Spul agen) M naischr f Geburtik w G) bl: 9 4 xxxxx 459 By Zentralbi f d ges. Gynak Geburtih s d Grenzgeb.

The author experimented as to the possibility of influencing the quality of the vaginal flo a by singation with different disinfacting solutions. He describes the technique of his e periments There was a decrease in the bacteria, which did not last vary long by arrigations with solutions of oxycyan te bichloride lysoform and potassium permanga ate The number of cocci was decreased and the resistance of the vaccual bac lh to the right ng solutions increased after a tim the cocci reappeared as before After three days lysoform irrigation the number of vaginal bacteria was about the same as I the beginning With a per cent silver mirate solution th re was a marked d crease in the cocci

Pa nting the vegina with iodine solution and the application of alcohol t mpo c used a decrease to the bacteria, but the number of cases was too small be draw definite conclisions. Directly uniavorable results were obtained by irragitions with distilled water hore and and alumnum sentite, there was an increase in the bacterial content and the proportion of coot to bacille was increased that is there was a relative increase to the public period bacteria. With the bolds trestment the was a disappearance of the discharge during the treatment the bacterialogical results were un

satisfactory There were good results from a ten-day arrigation with a one-half per cent lactic acid solution. Irriga tions with bichloride oxycyanate potassium per manganate and silver mitrate solutions are to he recommended for pregnant women who have a pathological secretion shortly before or during delivery There should first he a mechanical cleansing of the vagins from hacteria with z to a litera of salt solution, then irrigation with 100 to 200 ccm. of z 2000 bichloride solution. This should be used only wheo bacteriological examination has shown a pathological secretion The question still remains open whether only cases with atreptococcus progenes should be arngated or whether those with staphy lococci or other species of bacteria should also be arrigated. In normal patients with normal secretion these medicinal irrigations are entirely superfluous they are certainly not necessary and may even be harmful aven lactic acid unigations can be dis pensed with. MORALLER

Wallich V and Abrami, P : Changes in the Blood in Anatula from Obstetrical Harmorrhages (Des modifications du sang datas i a antenes par hem a orrages obstitucates). Ann de prote et dest

Far 0, 4, th, 7s By Zentalla I, d. gas Gynalt. u. Geborthi s d. Grenageb Two forms are to be distinguished () Hemor hages setting an suddenly and voicently (a) those setting an gradually and listing for a long time. The suthors underword to determine certain inductions as a useful measure of the strength and dangerousness of the anexons and runs parallel to changes in its

degree - blood pressure is of less significance in

this direction
By animal experimentation the authors studied
the reparati e strength of the body and the changes
in the Blood-picture connected with it and came to
the following conclusions: (i) Blood pressure is of
nor values in prognoss: (a) Lorenses in rapidity of the
pulse is of more value, but not of decise eval as
without the blood picture which is the most un
portant factor in prognoss. The number of erytherjets shows the degree of loss of blood but does not

denote the degree of resistance of the body to this loss.

The authors believe that the resistance and the capacity of the body to react to loss of blood can be judged by the following symptoms. In the first erade where there is strong resistance repair is shown

by the nequality lo the dameter of crythroyte, the presence of blood-cells containing grandes, and polychromatophilas. In the second grade, there is less reaction, and lo address on the three grade the jast reserve forces of the body are called grade the jast reserve forces of the body are called into action and oucleated red blood-cells spear

Stolper L.: Etlology and Diagnosis of Hyperemesis Gravidarum (Zur Atnologie und Diagnose der Hyperemesis gravidarum) G, ih Rusdiches, 1914 vi. Et

By Zentralbl. i. d. ges. Gynil., u. Geburtah, s d. Grenspeb.

Hypereneus is a tomosus caused by cells ongust ing from the persphery of the owns and creating in the blood. Hyperenesis is distinguished from normal prepancy by the fact that the dissinctional ring mechanism of the body is affected or more rarely that there is an increase in the amount of cell tomas circuisting in the blood. The mechanism of dissintentation is to be sure not thoroughly understood but the liner the corpus interna, later the interestinal gloods, and the placents take part

The author heleres that the hormones of the above-named glands with observal accretion, and perhaps others also ext through the liver as center so that hypermens is no to a expression of a sufficiency of the liver but of the organs which affect dissolvantion, especially many of the pland with internal secretion. In diagnosis be thanks the determination of disturbance of sugar assimil two is important. It is a symptom which is to be attributed to the tozemia of pregnancy c used either by the definency in owarso function expectably that of the corpus livinum by a hypericastiveness of the kidney to sugar to the blood or each by instant on

Lutz, W General Dropsy of the New-Born (Zur Lehre der allgemeinen Wasstrucht des Arugbornsen) Cor Bl. f. advers. Aries 1924 Abr 330 By Zentralbl. I d. ges Gynak u. Geburgsb. a. d. Grangeb

The author describes a case of general foral directly. The model had ablumo and marked edema. The Wastermann test was orgative in both mother and child. The placenta was very large. Automy and histological findings are given in detail. The subsor timbures the case to blood disease in the fectus with general hydrops. The blood-picture a very similar to but not undersord models are decided as a special type of cells in probably to be regarded as a special type of cells in probably to be regarded as a special type of the beat, and to some actent also by sonay to the could have a seed of the care and the solid forming organs of the first best. And to some actent also by sonay to the capillary walls as a result of the extreme changes in the blood. The two factors together hyperrophysical control of the control

the genesis of cedema. The author distinguishes two groups of ordema in the new born those with and those without changes in the blood Possibly the same hypothetical toxin causes both groups.

EIBENBACK.

Fuchs: Resuscitation of the New Born by Werth's Handkerchief Movement (Zur Wiederbelebung Neugeborener mittels des Werthschen Schaunfruch manovers) Monat chr f Geburtth u G3 42 1914. By Zentralbl. L.d. ges Gynak Geburtsh a. d. Grenzgeh

With the child held to a hanging position by the thighs with the right hand while the feft hand sopports the orck the knees are brought up to the left cheek by strong compression of the abdomeo and thorax and wiped forcibly over the mouth and nostrals in the maoner of a handkerchief This causes a very strong expiration and the discharge of the mucous in the upper air passages. Then the child is laid down horizontally and the spinal colomn hyperextended which causes inspiration but the results of this method are not so good, so that it is best suited to cases of mild asphyria in which the aspiration of mucous is the chief fartor RCHEMANY

Geinel A Case of Total Anuria (Ein Fall you totaler Anune) Z straibl f Gy 4h 914 EER 5 7 By Zentralbl f d ges. Gynhk u Geburtsh a. d. Grensgeb.

A 3 year old III para had premature separat on of the placenta and a 7 months focus was delt ered after dilatation with Bossis dilators lifter the delivery there was absolute aguns which caused death ulter four and one hall days toward the ad there we re symptoms of urarma and albuminume retimitis Autopay showed e tensive necrous of the cort x of both kidneys \ detailed description of the microscopic findings is given. The interlobular art nes showed extensive thrombi little d stance from the necrosis, and the hegioning of the thrombi was central Though there wer no other symptoms of it eci mpsia must ha e beco the cause of the condition

Geipel Presence of Decidual Tissus in the Lymph Glands (E. B. urag um Vorkommen des decides alen G. w. bes. un de Lymphdrusen). Z. sralb! f. Gy ale. 9.4 xxvu 5.7 By Zentralb! f. d. ges. Gyrak u. G. burtsk s. d. Grenzgeb.

The first observation of this kind was made in a patient with severe anomia who died in the second half of pregnancy In addit on to e tensis decidual prolif r tion Do glas pouch sod the lower th rd of the omentum, decidual probleration was founfor the first time in the pelvic lymph gla da. The cortical signs was chiefly involved in the more extensi e problerat ons which in olved one-fourth of the gland the decidual tusue extended toward the cepter hetween the follicles and comp essed them. There was no connection with the peritoneum. In the systematic examination of two other cases only

one gland was found in one of them that showed a focus of decidual transformation. This problera tion represents a specific reaction of pregnancy

Turns J Use of Momburg's Electic Constriction and Gausa Compressor in Obstetrics (Uber Anwendung der elastischen Konstriktion Momburg und des Gausschen Kompressorioms 10 der Geburtahilfe) Cas 16k Sesk 1914 hu 80 By Zentralbl, f d. ges. Gynak, u. Geburtsh, a. d. Grenzgeh.

The withor first gives a historical review of the compression of the abdominal aurta to obstetrics and the physiological and chinical experiments performed along this line Results from 50 cases from Rubesla's obstetrical clinic show that in os per ceot of the cases the hamorrhage was com pletely stopped Objects ely there was a marked alterating in the pulse in five cases no nofavorable or injunous effect was observed either in the organs subjected to the direct pressure of the elastic tube or in other more distant ones. There were no late effects during the puerperium

Subjectively the constriction was well boroe in most cases in five cases it had to be discontinued because the patients found it unbearable. There were two cases of death among the 50 cases once because compression was applied too late and the other occurred suddenly as hours after dehvery-in this ease autopsy did not show any connection between the constriction and the death

Gauss compressor was used successfully in ten There were no objective or subjective symptoms following it There was one death from streptocorric sepas Momburg's compression can be used in suitable cases and with certain precau tions in private practice and both methods can be used with good results in the hospital, PREERA

Jijin F Air Embolus fo Obstetrics (Die Luftem der Geburtshilf) J k k, s. 3 nik helies St Petersb 9 4, 23 By Zentralbl f d. ges Gynak, u. Geburtsh a. d. Grenegeb

His experimental study of air embolism caused the author to undertake a critical review of the cases published in obstetrical literature. His recog mized only three cases as authentic one each of Olshausen Swinbourne and Litemann

The remaining cases were only probable diagnoses or they mu t he rejected because either the clinical or the path logical anatomical evidences of air embolism were not sufficient this is true of most of Okha sen s cases. The danger of obstetucal air embol sm is very much exaggerated and the text book figures as to its frequency should be corrected

Only an autopsy undertaken with the necessary care with complete macroscopical and microscopi cal examination of the organs, should he regarded as sufficient evidence for a diagnosis of air embolism.

knoop Gummert and Bach Dangers of the Use of intra Uterine Methods of Presenting Conception (Über die Gefahren der fotrauterin angewendeten sotikonzeptionellen Mittel) If auf-schr f Geb rish u. Gjank 1914, xxxx, 406.

By Zentralbl. f. d ges. Gynak. u. Geburtsh, s d. Grenegeh.

According to knoop the decline in the birth rate is not caused by a decrease in marriages, a decrease in fertility or an increase in venereal diseases, but by a voluntary limitation of the number of children. by a volumery ministron or the number of transcript marriage but chiefly by measures taken to prevent conception or by abortion. Women generally use vaginal or intra uterine appliances for preventing conception. In the vagina they use sponges, and occlusion pessaries of rubber gold, and adver All these things when used for a ling time cause atums of the uterine secretion irritation of the vaging and vaginal and uterine catarrh Much more harmful, however are probes and intra uterine

yringes. The avringe is asteroitely used in Germany for the purpose of producing abortion. If the fluid generally soappuds a solution of acetic acid or lysol, sa injected at too high pressure it penetrates the abdominal cavity and causes mild of severa discave at may cause perforation of the uterus. Douelass pouch and the bladder

Intra utenne pessaries were formerly used therapentically in correct malpositions of the uterus, but later they were recognized as dangerous and replaced by external pessaries. In the most favorable cases the intra uterine pessary causes catarrh of the uterus, and in some cases, it has caused harmorth or un ple ond purulent discharges, parametritis, perimetritis prosalpingitis perforation of the nterus, and The sale, use and manufacture of the socalled maternal syringes should be forhidden the probe should not be displayed in show windows.

advertised or sold to the faity GUNNERT says more women lose their lives to-day as the result of the use of probes and syringes to preyent cooception and produce abortion than ever died

from labor BACH discusses the medical gal questions ior alved in the sale advertisement and use of means of preventing conception and producing abortion under the German law PHRE REEG.

GENITO-URINARY SURGERY

KIDNEY AND URETER

The Philosphic Anatomy of th Souchen E. V Orl M at S J 19 4 km; 833.
By Surg Gynec & Obst. Lidners.

The author describes the anatomy of the Lidnevs n a ery entertaining manner laying special etress on the fact that the kidney 1 ery loo-ely situated hut still fixed also that the kidney like the beam throbs when held in the hand. One of the unique anatomic facts is the presence of the adipose capsule the purpose of which is protection. The histologic arrangement of the Lidney luridly described and the relation of the anatom) of the organ to its physiology is thoroughly brought out

I D LEMMAN

Da e L. Calculou Anurus with Report of Two Cases. S g Gy or 2" Ohar 9 g Evin 676 Il Surg G mee & Obst

Two cases of uccessful operation for calculous

nurs are reported

In one case of siaty hours duration menhrotom was done with spontaneous passage f st nes late This was a case of solitary kidney. In the other case there was anurus of ux days duration kidney complitely destroyed by tuberculoss was remo ed on the right side and, at the same sitting a nephrotomy was performed on the left for obstruction of the renal outlet he etone

In a entical analysis of calculous anuna recorded tn the hterature the new is expressed that the few cases cited as example of reflex inh bition of an unobstructed but more or less diseased Lidney as a result of alculous obstruction of t fellow are to be explained more correctly as th functional failure of a unsound organ C a morng post mortem histologic t experimental and even chinical eve dence of reflex inhibits n f a sound kidney as a result of alculous obstruction of its fellowing la hing Cale low anuma should be considered and treated

punt's mechanical problem. Pyelotomy whin pract able is to be preferred t nephrot m remov 1 of the eton is an ideal to be trained when er possible Bilat ral operation is indicated where er the Lidner first cut down upon is nade quate h stacif to ustain the work of limin tion of the body. It not raily follow that the bilat rail operat n should be performed whenever the kidney hist ut dow upon is pparently unobstructed

Boland, F K Injuries of the Lidney R Md 04 km 7 By Surg Gynec, & Obst

This pape is practically a r ten of the more exhausts e report of traumas f the Lidney The

athor states that in 40 per cent of ubcutaneous murres to abdominal viscers the kidney is the one affected and that in to per cent of such cases harmaturia is a prominent symptom. In 1903 Watson, of Boston reported 660 cases in 20 cases of which blon or falls upon the front of the abdomen are stated to ha e been the cause of faceration of the Lulney and in all but two of them this was the sole result of the accident Blood in the urine is the most constant and of course most characteristic sign --the hamatura how er may he slight or absent If only the capsule of the ladney is torn blood will not appear or in very severe injuries where the ureter is torn across it becomes clogged with blood clots and the quantity may he small microscopic or entirely ab-ent

Separe is the greatest danger after hamorrhage ha ng occurred in Watson e series in 68 of 486 cases The vein was found torn in 14 of the same author s cases and the arter, once In 4 of 660 cases only o e kidney was present. This proport on will be noted to be rouch higher than that usually go en f r this anomaly According to the statistics of European climes one kidney is abent in every two thousand person

Pent mits is an ofrequent complication. The author quotation from Tuffier is worth repeat no namely that this capable experimenter and surgeon has demonstrated b experimentation in animals that no uruse flow from the surf ce of lacerated renal wounds and that in order to have unnary atra assison under such circumstances the renal pel us or one of the alyces must etand in communicat n with the renal urface through the wound also the same experimenter has shown that the introduction of urine into the peritoneal casity does not cause perstonitis provided the introduction is made grad ally once or even repeatedly and inter als f focient length are allowed between the different atrodu to us whereas if the flow is continuou the contrart 1 the case

Watso e figures how a mortality of 27 per cent n caste treated expectant! per cent in cases treated by operation thar than nephrectoms and 25 pe cent in cases tre ted by nephrectomy

tawn 5 Loss. Arars P Total G ngr n of the Right Atdney Secondary to a Perinephritic Phiegmon (Gan-grace totale d rem drost secondare à un phiegmon

By Journal de Chirurgie

I putie t of 3t had had a set re b rn of th neck and right arm at three years f age. She men structed at 1 married t 6 and had three normal

pirm phrétique) Ga., d

pregnancies. Six months after the first delivery she began to have a excling of the leg the cyclids and the upper extremities. A disgnoss of nephritis was made and a milk diet prescribed. At the end of two mooths there was citil a little albumns

In January 1914 the ordema reappeared and was especially marked in the right leg which had a cyanotic tint there was paio in the abdomen, more severe on the right side and uradiating toto the lumbodorsal region of thet aide. The temperature was 38.5" pulse roo her general state of nutration was poor The urine showed alhuman q pee s,000 cylinders, red cells and leurocytes. The abdomen was distended with gas and the abdominal veins chowed supplementery vascularization Bimaoual palpation of the right flank showed a herd resistant smooth oval mass with industruct boundaries. The duliness passed into the hepatic duliness. The diagnosis was chrome nephritie with right perinephritis There were symptoms of compression of the large veins and threatened gangrene of the right lower hmb Operation was performed Fall a 2024 Lumbar incision chowed a mass surrounding the right Lidney the volume of which explained the stasss in the right leg Incision was followed by pennephritic phlegmon A tampon was used For a few days there was a fetul discherge and on the twelfth day necrosss of the whole kidney was discovered Extirpation of the organ #25 accomplished without hamorrhage. The reco cry was without fever but with persistence of a small quant ty of alhumm The autho believee the necrous was due to the compression of the vessels of the Lidney by the permephatis The lower limb was also threatened with gangrene from compression of the right iliac vessels CIT \ IZA BEE

Ramsey W R. Infections of the Urinary Tract in Infante St P at M J 19 4 vs. 345 By Surg Greec & Obst.

In this second report the author side too cases to a sense of 60 that he reported a short tuse ap In musty per cent of all cases the infection was due to the colon handlius. Quoting Goppert he state that one to one and one-half per cent of the infants brought to has chune unifiered from milectuous of the unnary tract ten per cent benng in boys, and succept of unnary infection resulting from a deplococcus resembling the pneumococcus, details of which he will report later. Most of the caute cases apparent by recover completely but are prone to relapses Floundler discovered that the Bood from cases of fering from acute unfection with the colon lasticity was able to produce chung pe of the band; just make the blood stiere the method of the band; just make the blood stiere the method of the numery low ever from one attack is very transient since renfections occur so promptly Fortunately, chrome unfections are much less common than the soute vaniety. Several of the acute cases seen if a years perventually however are not chrone. They assume

the form of a chronic bacterium with more or less local irritation. Pathologically Ricker's finding were few in companion with the severity of the symptoms. The records from microscopic rannations of the microsum membranes were usually negative. The included the microsa and submicrosa

of the pelvis kidoey ureters end bladder Reviewing the work of Himman the author pouts out the futhity of the use of hexamethylenamine, particularly is those cases where the kidney is involved. In chronic cases of hattenurs the author thinks the prognous ultimately bad

Irwing S Koll.

Stammler A : brudy of Aberrant, Supernumerary Ureter (Zur Kenatons der abern renden, über zähligen Letter) Zinck f und. Chr. 2014, 11, 247 By Zentralbi.f. d. pez. Chr. u. L. Grennych.

A 15 year old gut hed had the habit of bed-setting Emmonation throad to a bernail uper numerary uncters which opened note the vigin put held of the introdus. After a careful functional test and a thorough examination with the cycleope and a collaryel rosting putture; it was found that in accordance with Weigert a rule the utter emptying lowest down crossed the other and led to a separate pelvis in the upper half of the liddary. The turns of the eupersumerary untern was not

inferted
hümmel operated as follows with complete rt
covery. The right lithings was laid bure the sign't
minerary uriter was sectioned and an anaistonous
formed between the separate pelyer. On the lift
side the suspersumeary uriter was lagated off and
a part of the upper bail of the corresponding below;
resected. The formations of ea anisatonous was
not advasable: a scrount of the small same of the
upper pelves. The git in now free from ynapping.

Rolando. S Jotra esical E tirpation of Laric Papillomate Implanted Around the Uretter Gur tempoto dua la vesse des papillomis vouamens à ampla taton pér-urétrale) J furdi 1944 v 355. By Journal de Chruspa.

Who a rather large new growth implanted around the surters is to be removed: I is advantageous to perform exheteraction of the corresponding surface and the surface of the control of the mexica may be unsuccessful and is no it is advantable to destroy the tumor without regard to the surface as experience has shown that be results an expensibly normal. Nevertheless it is preferable to in the me us of the surface and the results are greenedly normal. Nevertheless it is preferable to in the me us of the unstread by for two cases. If ster opening and research of the hidder the mexicus is not found, the surface the following procedure which he has used successful of the hidder the mexicus is not found, the surface the surface of the hidder the mexicus is not found, the surface the surface of the hidder the mexicus is not found, the surface the surface of the hidder the mexicus is not found, the surface the surface of the hidder the mexicus is not found, the surface of the

Hzmostass having been accomplished the meature of the ureter may be found without difficulty what ever its position. The operation is then completed by removing the pedicle and safeguarding the opening of the ureter.

J TANDA

BLADDER, URETHEA, AND PENIS

Simpson T Y A Case of Ectopia Vesicæ in which the Ureters were Grafted Successfully into the Rectum Bril II J 914, 1, 1 & By Surg Gynec & Obst

The author had as a patient a girl aged eight yeare who had ectopia vesice the symphysis pulss was absent and there was a bulging of the posterior bladder wall

Mer bherating the bladder Sunpaon inserted a catheter into each ureter. The bladder was a reserted down to the trigonium, then dividing the transgular ligament the lower end of each ureter was turned back note the varient to love proximity to the antenor rectail walf. Though a rectovargual mission the catheters and ureters were inserted too the rectum and the free edges of the rection agrical incision sutured to the ureters. After seven days the catheters which protruded from the answer withdrawn. The pattent is now able to hold urine in the rectum for several hours. The whole procedure is based upon the principles of the Mayd Operation.

Hasay Exact.

J haston J A. Lastrophy of the Bladder Lancet

The nuther reports the case of a woman thurty is a years old whose posteror bidder will wa almo t dush with the sam urface. The opening was two and one hall inches in diameter quite red and ex dated thick mucus. The unner came from the left ureter only. There was no arethra and the pull bones were r and o'r hall nelse, aspart the pull bones were r and o'r hall nelse, aspart the pull bones were r and o'r hall nelse, aspart the pull that was no market has a proposed to the pull that was not made to the pull that was not made to the pull that was not made to or it was not the might not even and the pull that was not made to or it was not the might and even one two r three hours of ring the different pull that was not all the pull that th

The author all ises in ta untable pparatu made f German ail er be w n by the patient in refe cinc to operate n he also urges that the patients be immunized against colon bacilli before transferance of the ureters ILBAN KAVES

Claybrook, E. B A Simpl Method of Bladder Drainage Old Don to J 94 x tm, 308 B Surg Gynec & Obst

in at a retention I urine due to stricture or hyperrophy of the prostate and other causes, whire it is impossible to press the catheter the author advocates the use of a good trocar suprapu bically to avmd repetition of tapping with the usual needle instead

As soon as the puncture into the bladder is made the style is withdrawn and a soft rubber catbeter supped in through the sleeve into the bladder and left in place withdrawnig the sleeve carefully over the catheter a strip of adhesive is then given a turn around the catheter and the two free ends fastened down to the slam. The catheter is left remove the obligation is carried out.

remove the obstruction is carried out

Bladder singulions through the catheter may be
carried on when indicated Texo Discrepants

Yeau V Total Rupture of the Urathra in a Child of Eleven (Erreilar Suture Cystostomy Recovery without Stricture (R pute totale de luttre chea un enfant de il nas 1 re carcula re cystotom gistimo siana retressament) Bull et mem. See de char de Par 9 4 1 544.

Year reports the case of a young how who fell astride the back of a chair and showed all the signs of rupture of the urethre discharge of blood through the meatus retention of unne with distention of the bladder permeal ecchy moss Operation which was performed 16 hour after the accident verified the diagnosis The two ends were easily brought together and sutured circularly the suburethral tissues were brought together and the perioral wound left open with a drain Suprapuble eystostomy was then performed and a large No 30 drain placed in the bladder The results were good The permeal wound excatneed in ten days without surpuration the urine passing through the bladder This drein was then removed and the nationt unnated through the mratus from the twrlfth day t rry small hypoga trar fistula occasionally dis charging a few drops of unite persisted for 16 months Soce then micturition has been entirely normal There is no trictue

Manov took occasio to reven the fate rusulf of of his own rare of reput of the ruptured urchira by the m th d to which his name best been pixed in a did the or axes subsequent ranamation has ab with the transmission with the transmission has ab with the transmission with the transmission of the urchira. The azimonization with read there to axim months of it is open from it in two cases there was distinct the pixed of the pixed of

LEGUEU confirmed what Marion had said. His method has marked a great ad ance in the treat ment of tr umatism and rupture of the urethra there is o by one contra indication—that is when the loss of substance is so great as to prevent suture as such cases urethral autoplasty mu the pert rused

J DUMONT

Maran G: Lat Results of Circular Ureth or rhaphy Followed by Derivation in Ruptura and Traumatic Strictura of the Urathra (Resitate floughs des uritorraphus circulares su an de dénation dans les ruptures elles réticessements traumatiques de l'urêtre) J & 4 944, 7 535. By Journal de Churupge

Marion reports the late results of the aperation which he and Hintz-Boyer have used used round. They have made certain modifications at the method resulting from expenses: The permeal ureful to tomy for derivation of the union has been advanted to the control of the control o

The repair of the urethrs should be preceded by discrete freshening of the contused eads of the urethrs extensive resection may prevent the sutures from holding in case of extensive destruction of the urethrs it is preferable in f llow the old method of repair around a sound as descondary resection of the structure if one is produced. It is of primary importance in place two sutures at the antenner of its bring this end into conta t with the posterior me so that there may be no traction on the sutures holding the two ends together. The urethrs should be a tured around as larged a sound as possible but the skin of the periment wounds hould not be a tured round and the state of the primeral wounds hould not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be it tured to the skin of the perimed wound should not be skin of the perimed wound should not be it tured to the skin of the perimed wound should not be skin of the perimed when the skin of the perimed wound should not be skin of the perimed the skin of the perimed wound should not be skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the perimed we have the skin of the perimed when the skin of the skin of the perimed when the skin of the perimed when the skin of the perimed when the skin of the skin of the skin of the s

nor dilatation should be performed.

Ten cases are reported, 9 of them the authors examined three to sur months after aperation. There was no stricture i flowing the operation in any case. The method should be used therefore in rupture and t assumes strature of the urethra on account of the perfection of its results. The exceptions are no to extensive contains of the urethr and rupture of the membraness are they fracture of the pelvis—the latter occur in sire tures more ar by than in ruptures of the permitted in the permitted of the pelvis—the sure than the permitted of the permit

GENITAL ORGANS

Mosts, R. C. ts of the Sp rematic Co d of Con nective-Tissu Origin (Lex kysterdu con) sper matique d'origine conjoncts) Gen d 194 xxxv 559 By J urnal de Chanape

A push of so had recer ed a severe injury in the fit inguinoscental region is years pervious. He had been abliged in go to bed for a week. but there was no arefulne gether in the scrottum or inguin I region. A few mouths intervent's a small expected to the second of t

nainful at was easily moved along the cord which was posterior to it. The orifice of the inguing canal was enlarged and the tumor could easily be inserted into it. The diagnos a was cyst of the left spermatic cord. An aperation was performed under novocune anasthesia. The cost which seconed to be covered by the cremaster without any intimate relation with the elements of the cord was easy in enucleste Bassinl's operation was followed by recovery The cyst was smooth and the wall noe half cm thick. The contents was clear lemon sellow alkaline in reaction very neh in albumin and contained some red cells and a very few white cells The wall was made up of connective tissue more compact on the internal surface Cells were numerous in this tissue some round, some clongated-and there was a ventable infiltration of small diffuse cells especially abundant on the saternal surface of the wall There was no pathelial or endothelial covering

per neuts or enougheau towers, the spe maine cord are extremely rare. Slight and repeated traumaism and slight inflammation are the usual cause Climical disgnous is very difficult. Histological examination aboves the absence of endothehal or entitlehal country.

Squier J B Indications for Operation on the Seminal Yealche. Hop 11 to S J 9 4, circ 905 B, Surg Gynes, & Obst

The greater part of Squere a at the constait of a factors in of the later view regarding chross infections. He refers to the work of Adaml and Romenow and suggests that the possoccous enter becomes metamorphosed into forems reembling other bacterns, or attracts other organisms to area of lowered resistance. The sensual vessels with an amatomizal range ment what is fan comble to drink age in only 4 per cent of all vencles at Squere for such a provens of subsection of cases the least when the drink the majority of cases the theoretic becomes crangulated by sear tissua and offers to the blood stream a content supply of torses of shortern of four reducer.

tomas or an oscienta of nor minimizer action of these Through the slow hut persistent action of these products upon the synota of the joints the heart valves and the kidney op thellum, there de lops arthritis of atrophic or hypertrophic forms, endocar data and arphritis

Squer denotes p a p in and rheumatism at fundation in operation on the vasales In sectio effections from the properties of the vasales in section of the vasales as the properties of the section of the properties of the propertie

age is indicated —it is necessary that other foci be excluded first. Squer's experience with rheumatic cases has been limited to the acute and subacute varieties and in every case (number not given) immediate cessation or amelioration of the joint symptoms has resulted. Georgia G. Surra

Young, H II The Diagnosis and Treatment of Early Malignant Disease of the Prostate Am J Urel 914 x, S1 By Surg Gynec & Obst

From his complete list of prostatic carcinomata houng has selected twelve that might be considered early reciting the history and crit cally analyzing

each ease as to diagnosis and radical cure

He divides them into three classes as follows

1 Those in which the noly pathological process

present is cancers — sia cases
2 Those in which cancer is associated with
hypertrophy or hengin adenoma — five cases
3 A case of chrome prostatitis with a small area
of cancer in if

In the study of the symptomatology of these carly cases and other late cases he concludes that there was nothing d agnostic or even suggest ve there was complete absence of harmaturns and hence it is erroneous to expect heleding as an early symptom

There was nothing in the appearance of these twelve patients to suggest malignant disease they were not emacasted nor were they suffering pan in the exception of four cases and in these it was not severe.

In the first series the re was roughness in three cases and nodulation in three which are supported symptoms. Characteristic also was a small bur un accompanied by ma ked lateral intravescal on largement. In the second series, discate pulpatino and particularly palpation upon n cy toscope in the urethra will often show localized areas of indiration or nodulation which is also a suspice out sign In the third series there was also the characteristic in Ill hr as was noted in the first series. There was

no definite invasion of the sem nal vs. cles
The diagnostic ugas found were marked; dura
tion (st. my hardness) either localized or diffuse
to me par 15 years | eige particularly when there
was no history of a long standing prestatints
and particularly when the content of the proposition of the proposition of the product of the produc

that t is ally by being contioually su pictous of

m ked aduration eve f confined to a smill nodule thit early dignose on be expected and radical

re obtained

Young describes his roothed of radical cure for cancer of the prostate previously published and as a result of the experience gained in six cases reaches the following conclusions

1 The operation should not be aftempted where infiltration catends more than a short distance beneath the fragone as determined by the cyclescopic canimation with the finger in the rectum and the cystoscopic in the urethra nor where the upper portion of both seminal vestels are manked nor where an actinative litera sexular arms indured lymphatic glands involvement are many control of the co

from construction t or 2 cm above the wound
2 If morthage should be carefully checked—
by hugging the capsule injury of the periprostatic

pleaus may be largely avoided

3 Silk should never be used and catgut only
when occasional stitches of silkworm gut are em

ployed to hold the tusue together in making the urethrovesical anastomosis 4 When the operation is performed early it can

4 When the operation is performed early it can be done without much danger or great difficulty and with excellent chance of cure The operation of conservative (partial) periocal

prestatectomy in advanced cases of cancer of the prostate has produced wonderfully fine functional results which were in most cases maintained has long as the patients lived \(^1\) coung discovered fine fact condentally, as a result of operations performed on supposedity being prostates which proved to be on supposedity beings prostates which proved to be also as the condental of the condental

The anthor feels ju tified in carrying out the procedure of conservative permeal prostatic tomy on almost all cases of cancer of the prostate which ure too ad anced for a radical operation and in which the frequency and d fficulty of urmation are considerable and the use of a catheter difficulty or paniful

LOUIS GROSS

MISCELLANEOUS

Betthofet L. Th Effect of Chronic Afcoholium on the Organ of Man Lapeciatty oo th Scenar Glands (Dies kung dhromschen Altoholiumus uf die Organe de Menach nabesond rof di Ges ble bizdrisen) Shilly M m Vri 1978 By Zentalli if des Organe de Menach nabesond rof the By Zentalli if des Organi. u Geburth a. d. Grengel.

Many clinical and perimental studies has we hat slooded has a toxic effect on the organs of the body and on the seasal glands. The author time to asserting when it has injurious effect could be demonstrated microscopically Therefore h made microscopic examinatio is for tessistical of 16½ chronic drinkers and of 100 non denniers. He foul of that the chronic acknoble is

died sooper than the abstainers, and that all the argans of the former scemed to degenerate more frequently and to a greater degree than those of the istter The testicles were the organs most frequently involved 86 per cent of them showing signs of degeneration. This degeneration began very early and led very quickly in complete atrophy of the testicle and to azoospermia. Fatty degenera tion was the first change to set in and it proceeded very rapidly. There was also sclerosis with cells interspersed through the connective tusue and progressive atrophy of the glandulae parts of the seminal ducts Unfortunately he could not get much material for examination of the female glands, but he obtained the nyanes from ten female alcoholics If a believes that the effect of alcohol on the female glands is as great and as rapid as on the male. He did not find a single normal neary in the cases examined

Allmann: External Visacutina Pseudohermaphodittsm (Pseudo herm phrodusm masculi us es t mus) Zestralbi l Gyasti que, ux ul 12 By Zentralbi l d. gea. Gyasti u. Geburtala e d. Grongela.

A saysar-cold individual who had grown up as a guil disco ered after puberty that she did not kalong any many and the says and the photograph does a pronounced masses appearance. The atternal generation based as periante. The atternal generation based the perture of hypothasiste massedue organs with hypothasiste massedue organs with hypothasiste massedue organs with hypothasiste massed organs with hypothasiste massed organs with hypothasiste massed or the says and the perture of hypothasiste massed or the testade with the substitution to be a twisted testade and seminal cord viscous and the says and the says

FRAN COEN

Wither J W T Urinary Antiseptics. Edish
If J 10 4 sti 503 By burg G nec & Obst

The a ther confirms th now or pied raw that untroppine is of all eas an internal an is espite only when converted int formaldchyde and that this con erison occurs as a unple chemical reaction a an acid medium said not by intue of any particular cell activity on the part of the body. The only possible therape tie ppl causes of the frequency of the crisis as a unarry sanisepine.

Walker makes some cry pract cal med safe his observations for undropnie therapy. He says at seldon difficult i render a said unne alkaline, or moderately so I clusation centrate and evotate and sodium hicarbonete are in common use and unaily

This alkaline treatment has been of wide use n

pyehits or cystitis, because of a colon bacillus is which the urine has a pronounced excity. In the pyehits of childhood due to the colon bacillus, it is now the settled practice to apply the alkaline treat

ment The urine quickly becomes all aline and when this has been accomplished the symptoms subade - the temperature falls to normal, the drowsiness and mental torpoe vanish the pain ceases and the frequent micturition and scale disappear The improvement observed is attrib uted to the inhibition or death of the bacillus coh by the action of the alkalies But according to Walker the colon bacillus will grow in a urine made many times more alkaline than can be done is the body and there is no marked difference in the rate of growth whether the urine be acid or alkaline, This observation is supplicant and leads Walker to conclude "The action of alkalies in pychitis appears to be a neutralization of the acid toxemis produ by the bacilius cols. The cures that are claimed chinically are not cures in the bacteriological some for the infection remains only the symptoms which were due to the acids or acid endotoxins have d appeared It is true that in some cases, when the urine is finally examined the bacteria have disppeared but in these cases, which are the exception, the de truction may be attributed to the natural

Waller suggests the following course on real of a course of the course of scale unany infections due to course of a course of

benzuate

The treatment f urnary infections causing an all alme urme is not so simple. Urotropine is not con crited and is ineffectual. Therapy therefore, should be directed a ward render g these lkalme urines and There are tw types of alkaline urme One is a fai thy alkaline rine which d posits pho-phates sometimes in large amounts, but which apart from the cha ge n react on is normal in other respects the other a powerfully alkaline unit with summ muscal des impositio 1 which the is an abunda t growth of bacteria (treptocourus, staphylococcus, te) together with othe abnormal const tuents, such as mucu blood and pus In order to make these unnes and Walker to es and sodium phosphate begin ng with o grains three times a day the rea tion f the urine be ng watched and the dose increased every second day to 10, 40, 60 90, 130 and if nec sary to 130 grains before each meal. The decrease is limited by the effect on the howels as the large doses may caus diarrhora In the same w y ammoni m b azoate may be given un increasing doses f o 5 20, and 30 grains It is useless to give urotropin before the urine is send and, ntil this occurs, Walker advises giving bonic acid (ot 15 gra n three times day) which be

helieves has no influence in aciditying the time but has a distinct antiseptic influence. As soon, as the urnse is and urotropine is substituted. Urotropine should never be given with the scidproducing drugs the former is better given after meals when the scidity of the storach is reduced and the latter some time before the meal.

A popular method in the treatment of cystitis and urinsry infections has long been by diurence and forced water. This cannot be wisely used in

conjunction with wrotropine therapy as it linears the audity of the urine so that splitting of the wrotropine does not take place. A choice of the two methods, powerful diuresis and wrotropine therapy must therefore he made.

The author emphasizes the importance of the systematic use of unnary anticeptica as prophylactic agents against unnary infection in all forms of in strumentation of the urethrs and bladder and gentompary or pelyic operations Favx House.

SURGERY OF THE RYE AND RAR

Grenzech

EYE

Perimann A Ctiological Relationsh p between Accident and Detachroent of the Reitza (the den urachier Dussame hang on N tah ut ablisung und U f II) Zig kr f Ang k B I

9 4 XXII 4 By Zentralbi f d ges Chur

The author discusses the relationship between accident and detachment of the retina. He describes the discusse in such a way as to make it easily understood by the lasty so far as it is accentifically explained. He attributes detachment of the retina to various causes gene all and local and shows that there is a merkinguisticus to it a trouble.

He distinguishes a pinmary and a secondary form that is a direct one and an indirect one from fraums or other disease. In regard to the latter be possible out the mascled difference heaven cases that result from direct injury of the eje by sharp instruments in which the connection with less excless it is not to be doubted and those that follow other acrule its access concession. In the latter class of cases there exists concession. In the latter class of cases there there is not to be desired to the control of the control of

He discusses the question of secondary detach ment of the retina in tumor, and in most esses believes there is no connection with an accident As 1 primary detachment of the retina he points out that it always occur as the result of the pathological cond times of the 1 terms | cycle especially mutnit disturbances of the vitrous body He comes to the conclusion that accident is never really the cause of primary detachment of the retina but at most furnishes the occasion for it.

The quest on of whether accident of any kind rancause detachment of the ret as nan epe produposed to it is discussed. He thinks it ar talistively easy to answer the question in the affirmative in accidents harner nized by suddenness and violence but beleach that there must be a critical considerant in of the accident in such case and the r lation in time betwern it and the detachm in If the ve is no real accident but only an exaggeration of the patient's usual effort in work he does not believe there can be any causal relation. He bases his opinion on important principles and on expressions of similar opinion hy Leber and Schmidt Rimpler. The decisions of insurance companies in such cases are cited. Most of the decisions of course are in privary detachment. The lack of clearness and uniformity in the opinions of physicians regarding the question is shown by the decisions of the in surface companies. Decisions are quoted which the control of the control of the international processing the control of the control of

Doumenge R Otitia Media and Ot c Septicarmia from Procysneua (Outes moyemes et septicames otiques à pyocyanique)

There is door Par 19 4 By Journal de Chirurgi

In otology the bacillus procyaneus has generally been considered the cause of spontaneous or postoperative penchoadratis and of external croupous otitis. Sometimes however it causes more serious complications as in the case described helow

Vyoung man of 10 had had a duckarge from the right ear for in flatory. This ctorities became we see and there was a thrombophicheus of the lateral sums. I the course of the matoid operation the operator was struck by the appearance of the bone of the course of the sum of the course of the course

bouillon of blood obtained at the bend of the elbow yielded colonies of typical bacillus pyoc; aneus

Harry P A. Traumatic Exfoliative heratitia.

Lancel Lond 19 4 circum 16 9.

By Surg Gynec & Obst

Harry a six cases of traumatic exf hative Leratities followed traumatism of a trivial nature. The aymptoms are definite and clearly stated upon awaking and opening the eye a sharp stabbing pain of neuralgic character is experienced the eveball is red, vision slightly lowered and accompanied with lacrimation and photophobia With or without treatment the eve returns to normal in a few days Relapses take place with more or less regularity every four to six weeks with a slightly superficial milky spot at the site of the original injury and in the immediate vicinity the epithelium is loosely attached to Bowman a membrane The most hiely explanation for this comparatively rare condition is the presence of some toxin manufactured beneath the epithelium thereby producing small exfonations If curetting and cauterzing fail the author recom mends several oblique needle corneal punctures at and around the seat of tranma, to allow the aqueous antibody to escape slowly between Bowman a mem brane and the epithelium This, together with the use of weak peroxide and a per cent chloretone is FRANCIS LANE sufficient to prevent recurrence

Gibson C. Bi pharoplasty by a Pregratted Flap.
A Surg Phila 19 4, lix 918
By Surg Gynec & Obst

By figures the author shows the outlines of his steps for grafting. The operation is divided into two stages as follows:

r In the fir t stage the horizontal incision from the out r canthus of the eye is made a little longer than th part to be grafted. A pouch is made pocket like in effect so that it will contain the cut graft and the edge of the graft overlapping the poch. A protects e dressing is then applied.

In the second stage the growth from the lower cy lid is removed by a quadrangular meason in praging on the Lin from which the pergrated flap is made. This horizontal increson, which is parallel to the first origin I incision frees the flap allo my it to be all to ver into the gap.

The auth compa as the ndva i ges of the operation for the removal imalignant growths from his borders to those resulting from treatment a the the 1-r y caustics, or radium. He cites two cases with no recurrences—the first for ten years, and the second for seven ears L J GODBAGE

Baird, R. Catarace in th Capsule with Notes on Eleven Hundred Thirty-Seven Consecutive Operations. India II Ges 0 4 xlx 5 By Surg Gyace. & Obst.

Baurd sums up the d antages as well as the dangers and difficulties of the Sm th operation. His

record of cases gives a clear idea of the satisfactory results obtained in this series. L. B. I OWERE

Newman E. A R r Irregation after Caturact India If Gar 19 4 plat, 21E By Surg Gynec, & Glat.

Assuman describes the method of irrigation of the asterior chamber. He uses a closed end urngator with a situ in the side, the nozile being placed just inside the outer angle of the wound while the normal saline solution is run through 1 Of 93 cases only 3 required needing L B Fowizz.

Holland H Tr A Thousand Cataracts Performed in Six Weeks at Shikarpur Indian M Gar 914 slix, 3 By Surg Cynec, & Obst.

Of the acut entractions on when the measurement of the acut entractions are based flow were performed according to Smuths method. The outloor resorts to capulot only in cases as which the least will not present except with greater pressure than he deems and entract or ryl glutenum believing choroidal homomorage less age to occur II compares the exput to the operation of choose. If B Powizza exputal the operation of choose.

O Connor R. P Further Esperance with the Writer's Viction of Shortening Ocular Muscles without Employing Sutures under Tenson Arch Ophib 9 4, lus, 568 Sp Surg Grace, & Obst.

In the shortening of ocular muscles without em ploying sutures under tension O Connor has devised a method of advancement calculated t obviate the customary overcorrection necessary to offset the aubseq ent shpping which invariably occurs the first few days after the customary opera t one lie declares the great defect of most opera tions is that the autures are so placed that they are necessarily under the elastic pull f the muscle thus voluting an important principle of surgery with regard to suturing. The principal step con-sists in separet in atrips of the tendon r or min broad f it le gils at both margins bout who h catgut atrands re so placed that when made tnut the strips are folded into a double loop and thereby shortened These shortened strips hear the bru t of any muscular traction and serve to aplint the antures which hold in place the broad central section of the tendon which has been brought forward after the manner of other methods, while firm union is taking place Fi cases operated on after this fushion re ulted m all that was espected or eve IM O LA E desired

Lothrop, H A. Frontal Sinus Suppuration.

Ann Surg Phil 9 4, hr, 937

By burg Gyner. & Obst.

To obt in satisfactory drainage f the frontal

is surrounded by thin bone and while the area posterior and internal is small and too dangerous for interference the area naterior and external is comparatively thick, and dense and may be remained with comparative safety. The variable relations may be determined by ray examination in two

planes. The technique of operation is as follows incision is made from the center of the unshaven eyebrow inward and downward the sinus is entered just above the base of the nasal process and a prohe bent so it will stay in place is passed through the ostium and out through the anterior nares ostium is enlarged by passing small curettes from above down in front and external to the probe at the ostium With the probe as a guide burr drills are introduced through the narcs and the opening enlarged with precision and safety. A large portion of the interfrontal septum is remo ed e un though the other sinus he healtby as the proximity of healthy mucous membrane favors early epidermuza tion. The external wound is then washed with a sterile solution and the skin incision is closed

ELLEY J LATTERSON

ood J W The Use of the Nasopher) ngoscope

in Otorhinology P 11 or 9 4 km 760
B Surg Gane & Obst
Besides the value of the nasopharyng scope in
examining the nasopharynx and eutstehum tubes

examining the nasopharymx and custachian tubes as well as the posterior choanze nd the tructures contained therein the author dwells on some of the more accurate methods of therapy made under direct inspection hecause of the aid derived from this instrument

For instance in tubal therspy with the naso phary agoscope passed through the opposite nostral the tubal instruments are kept within the operator's gaze and directed where they should go

Again in referring to the relot of hemicranias and facial neuraligas of nasi origin by alcohol i jections of the aphenopalatine gaopinon as discovered by Sluder the author peaks of the impection without the aid of the masophary ngoscope as a shot in the dark. but with the al of this natrument the region is easily unspected and the mijections made more securately

The alue of the nasopharyngoscope in exploring the sphenoidal sinuses and maxillary sinuses is also mentioned. Orro V Rorr

Weity C F Indication for the Labyrinth Operation with Report of Eight Operations and Six Cases in which no Operation was Performed Ins Otol Rinel & Lary gol 9 4 xxxx, 66 B Surg Gynez & Obst.

The auth reports se rsl cases operated upon for chrome suppur 1 othis media which fater developed lahyn thme affections or cereh al 3 mp-toms some of which were ope ated upon ind some of which recovered without operation.

However the uthor thi & that in cases of sup-

purature otitis media infection by way of the laby rank is a frequent cause of infection of the memages and he considers the labyranth operation indicated in those cases which have only remnants of hearing on the one side and no calorie reaction or size sizes. It is sho opinion that in the near future it will be considered conservative surgery in these cases to open and explore

Sharp J C. When the Radical Maste d is Imperative. A s Otol Rk nol & Lary gol 19 4
2222, 74

By Surg Gynec. & Obst

The indications for redical masted operation are colesteatoms carns or necrosis of the petrosa during the course of a chronic middle ear suppuration interactional complications or ladyrinthine symptoms occurring during chronic suppurative outsis media or an acute exceptable of a chronic tympanic suppuration with masted in olivement ELIES J Pattersgo.

Dighton A. The Blood Clot Method as Applied to the Mestoid Operation Pacia ner, 10 4, 201 755 By Surg Gynec & Oh t

In this the first article on this topic epicering in any Britith journal the blood-clot method as applied to mastoid surgery is enthinastically endowed. The author captures the heinficial action of the blood-clot method as depending upon known physiological phenomena, the presence in the blood of two substances.

7 The amboceptor or immune body which is produced in the blood by the presence in the body of a particular bacteria.

2 The complement or alexin, which occurs naturally in the blood-serium but by itself has no action upon the bacteria. When however the ambocoptor acts npon the bacteria these hecome vulnerable to the complement which dissolves them. The author applies this process as occurring in the

mastod cavity in the following words. After the operation the majority of the bacteria are fulled by the antiseptic used. Then the cavity is filled to blood clot. The blood contains amboreprior to the bacteria present and is brought to the part in comparati ety large quant ties. The blood-clots and the serum containing the complement separate therefore we get amboreptic rathing the bacteria, and when caught the complement ready to d ssolve both.

The author makes no attempt to preserve per cottum or to make a personated ligh. After the operation is performed the cavity is dried with swalp panied with per carboic said, and immediately dried out again. The kin edges are rubed to the control of the control

1

1

The advantages of the blood-clot method are 1 Less disfigurement as the clot forms an excellent scaffolding for the formation of new bone.

2 No painful after-treatment

3 Healing is markedly hastened
The method is not applicable to cases in which the
sinus, the dura t the facial nerve is exposed

Orro M Rorr

Dench E. B.: The Treatment of Accidental Wounds of the Dura during Operation upon the Mastold Process. Largeac p. 9 4 rd 594 By Surg G) noc & Obst

Wounds of the dura in the middle cranis! for a whether accidental or due to necross are not necessarily followed by severe sequelæ provided:

the operator is careful to preserve perfect ascess

during the e tire operation. The author is technique is to expose a large area of duri and, after very trace of dusease has been cleared from the tympene curvity the duril opening is relarged by two crossed incusions. This opening is from the control with the during manner and the control with the control manner and the control is the certified in the certifie

CLUM J PATTERIOS

Ilail, G C. Surgical Judgment in Operations for Acute Vastouditis. Ky M J 914 xx, 368 By Surg G₃ et & Oist

There are no 53 mptonts which point namistal ability to mastoud 5 but any combination of three or four of the cardial 5 vanctions if continued for twenty four or thirty six hours should continuous one of such a condition although here are undoubted cases of mastouditis with practically all of the classic symptoms absent.

'Ill cases of muddle car infismmation should be watched from neighbors for the advent of signs of

mastord involvement in which case operation should be done at the earliest possible moment

The author emphasizes two points in his technique (r) the importance of wide opening of the drum membrane and (s) the excavation forward from the autrum of the geomatic cells and in the direction of the aditus of antrum

In the discussion which followed the general consensus of opinion was that early operation with thorough evacuation of all the diseased struct re-

made for the safety of the patient

Frank A. and Friesner I : The Diagnosis of

Eraun A. and Friener II The Diagnosis of Endocrantial Complications of Suppurati e Labyrinth tas. t Oth Rh d & Lary pd. 19 4 221 9 By Surg Gynec & Obst

Intracramal complications are relatively more comm in with acute laby readints, between there is no time for the inflammat sy process in the laby, muth to be vailed off but on account of the orshelming profilmance of chronic overaction is using units of the profilmance of the original consupport of the profilmance of the original contraction of the contraction of the original contraction of the contraction of the

Where the labyrinth ne functions have been

impaired but not entirely destroyed it is difficult to differentiate between halp nathing theses alone and laby multihe disease complicated by disease in the posterior fosts, and other symptoms for diagnosis must be depended upon. Where the laby multime functions has been totally destroyed, the easting ay approons can be easily ascribed to the complicating attract, and least.

Infract misl complications of suppurative labyranthits usually occur in the posternor fossa rarely in the middle fossa. The sympt ms common to all forms of 1 flammatory processes in the posterior fossa are headache, yoming and yet go

THE I I HEREON

SURGERY OF THE NOSE, THROAT, AND MOUTH

NOSE

Thomson St C. Some of the Syroptoms and Complications of Strusstis. P d lie er 19 4s 2cu 745 By Surg C) are & Obst

The author groups the symptoms of a ousstra under four chief headings as follows

s Symptoma in neighboring region Symptoms in more distant organ

3 Symptoms of interference with the general

Iotracranial complicationa
 Under the first group symptoms in neighboring

regions the following arrangement i observed a Nasal aymptoms uch as obstruction and discharge

b Symptoms in nasopherynx and pha yex -

postuasal catarrh and phary ngitis

- c Ocular symptoms—orbital celluliti personitis of orbit retro-ocular phicgmon hiephants phip-tomular keratit s dammuton of field of vision asthemon acotomata photophobia dilatistion of the pupil blephacopsam pio s intia, catinact harmorrhag e retiniti glaucoma and optue ocurnts of Aural symptoms—ti mitus vertigo estrable
 - usta hi n catarih and purulent of tis media Toothache

f Cramal smpt ma - beadache faceache hemier o an i neur igia

g Cutaneou sfections of the face — eczema of no trib and pper lp erythema urdema fugax, ah cesses of f ce and attacks of facial erysipelas

Unde the second group symptoms in the more di tani rgans re

a Lacynx nd resp tory tract — purulent or scabby laryngitus and bronchorrhosa

b 1) gest tract — gastric diaturbances ob tinate miti g r diarrhora bed taste

c Vasc lar vstem — anzemia phieh t hrady cardia Un le the ih rd group aymptoms of interference

with the general health are mentioned

Loss of weight feverish attacks simulating

t phoid milana premic metastasea insonna b Reflex o gh winte catairh and such cerehral co diti as as irritability loss if menory languo weariness tupo prosexia neurathena, melancholis d we kened sistance to the action

of sleohol nd tobacco
Uod r the fou th group intracranial complica-

d Men ngitts - mo e frequently from pus in the

b Cerebral abscess — usually from f ootal same uppuration

437

c Thrombo 14 of cavernou inus and basal meningiti — usually from sph novi trouble Orro M. Rott

Lynch R C. Vacuuro Disease of the Maxillary Sinus. A a Olol Rh nol & Lary gol 9 4 xmi 50 By Surg Cynec & Obst

The author reports the history of six cases of vacuum disease of the maxillary stous to which the aymptoms were promptly reheved by puncture of

the nato-antral wall

Cause schibiting aymptoma of coostant unitateral

pann the eye in the region of the naso antral wall
or pain localized in all of the teeth and unreleved
by ansal applications mail reflex ocuroses change
in the quality of the voice loability to probe the

cavity together with negative nasal todings negative transilium nation and negative Yray should lead to the suspicion of o negative pressure condition

Cohen L. Corrective Rhinoplasty Lary g sept 914 ruy 565 By Surg Gyner & Obst The outhor thinks the satisfactory o metic

effects to these operations depend upon the free mobilization of the entire bony and cartingmous framework the proper placing of the noise n the middle ho of the face and its retention there with some suitable apparatus

He operates under strictly asoptic coordisons using ether to local ansusthesa and after making an unusuon withou the vestibule of the nose works ambeutacously to remove a oper redundant hone and cart lage or to mobilize the booy or cartilagnous framework after which a coppe saddle is adapted and adjusted to hold the parts in proper position. The estibule is park! loosely wit holdoform gauze

LILEN J PATTE SO

THROAT

Carmody T E. liistopathology i the Faucial Tonali Lary g stope 9 4, 121 576. By Surg Gyne. & Ohst

The lymphoid attructures of the upper respiratory tract all have their periods of act vity which ore not coincided but successive or slightly overlapping and while the phary ngeal is retrogressing and probably the faucial also the Inguial and lary ngeal are reaching the height of activity and beginning development respectively.

The faucial tonsil resembles the lymph gland more closely that any of the other lymphoid tissues in shape and attructure hav og a caps le although not complete fibrou tr becule adenoid est and a rich supply of lymph vessels which drain foto the

superior deep cervical chain of glands
A study of the tonsils removed showed destruction
of epithelium on the surface and in the crypts the older the patient the less adenoid tissue and the more coonective tissue and the greater the number of attacks of tonsilitis or abscesses the greater the amount of connective tissue, Erray I Parrange

Thomson Sr C. lotranse Cancer of the Laryns Complete Excision Apparently Effected by Endolaryngied Operation. 17 Am Lay 2st. Ats Atlantic City 9 4 M y By Surg Cynec. ≥ Ohst.

The conclusions of the writer are

I Cancer of the vocal cords to the early stages is strictly limited and very slowly progressive 2 Diagnosis is based chiefly on inspection of the larvnx Where the growth is superficial and not infiltrating it can be confirmed by microscopic

examination 3 The growth may he completely removed endolaryngeally even when it occupies the entire length of a ocal cord.

4 Larvagofishure is the operation of choice in all cases of endolaryngeal cancer It is not a danger ous operation and offers the best prospects because the disease remains superficial and limited for a tume and finally there is a lasting cure in 80 per cent of the cases The value of indirect laryngoscopy is strongly insisted upon as being far gentler

than the direct method RICHARDSON of Washington spoke of one case which he had five or mx years ago in which there had been no recurrence while most of his other cases suffered recurrences Only one had a recur

rence sa silu.

SOLIS-COHEN of Philadelphia, has done a number of these operations and has never seen a recurrence His method is to make an a cision through the perichandrium all sround the growth and then with blunt elevator the parts are lifted up. With a curved serrated sessors the whole mass is taken up penchondrum mucous membrane and the growth but the growth itself is not touched at all with any instrument

MAYER of New York spoke of the method of producing sazsthesia by sojecting either into the antestine Orro M. Rott

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SURGERY OF THE CHEST

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Abdominal continuous E William D sertation, Berl.

9 3 M san post-operati e e morratio successfully treated y mmed to reduction and immersion in other PALL DELMAS Bull Soc d bet et de gynen, de Par 9 4 I junes of the abdomen in war LAURENT Rev de

D Dir Glasow M I Q & lum 40

SURGERY OF THE EXTREMITIES

D seases of B nes, Joints Muscles, Tendons — General Conditions Commonly Found in the Estremit es

Ostesta deformans (Paget) in ol ang single bone report of case S H H aw 12 Am J M Sc 9 4

Primary outcomyel its of the pat lla F Charaby
Primary outcomyel its of the pat lla F Charaby
Theres de doct Toulo se 9 4
Tra plantation of I tu nchw se esteem edits.
DEX
VALUE Re Soc med large tima 9 4 xxii N The process of the bone repair following t uma

BANCROFT Am J M Sc 0 4 cal u 800 Sacro-hac traumatisms C R McC Leg \ rtbwest Med. 04 est Ved. 9 4 55 [369]
The causal rd its of traumatisms to t berculous
C Da Cos Ann Surg Phila 9 4 for 909
Biological diagnosi of urgical t berculous Were

som Zentralbi i d Grenzgeb d Med Uncomplicated t here loss foci in bones and their treat

ment T W H vri to lan Surg Phila 0 4 se of the local tuberculus reaction in the diagnosis of oubtful cases of hip discase KEPPLER and LEETS

The light and straduation tre iment of surgical t ber loss M ve Anh I ph salal med med. Tech ուհ գ. ա. 7

Local reactions in hebotherapy of the so-called urmical tuberculosis. Give P ris mid. to 4 v No 5. The results of hebotherapy at high ultitudes in tube culos of the hand. Huses Bestr kim Chir o a m A 3

Treatment of surposal t berculous and injected wounds with Mosbe \ Cit it as Ze tralbl f Chur Th 369 Calot

n \ 5 Treatment of t hercular cystata by jection of lactic bacilla Vin 8 Bull t mfm. Soc de chi de Par, 13"01

Hypertrophic pulmonary osteo-arthropathy—Mane thesase \ Grant R. Edinb M J to 4 xii 5 7 [371] i junes of the Luce and their treatment except injunes

by are-arms. Ha EM Re de chir 014 EM 10 5
Junemile gangrene GERLACH Franki Zeschr 1 Path. 9 4 XV \

pontaneous gangrene of the lower extremity and ts relation to scierous of the cucle. W M NOLLOWITSCH

Pr kt rach 0 4 m, 0 lavage Rupt re of the articula portion of the long te don of the bicrps. \ L POINTS. Bull. et mem. Soc. de ch [371]

de 1 9 4 xL 610. 51 dy of richets. T Gassuaver Sch etz. Veilghricht Zahnit 914 xxiii 44. [372] I permunt I richets. Local Berl, klin. Wehnsche.

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19.4 lt, No 18.
Treatment of rick is. I BADE and SCHROSE. Jahrb
Treatment of rick is. I BADE and SCHROSE. Jahrb
Experimental study of the time of pperarance of bone
brophy caused by disuse: M BRADDE Fortschr 8.4
GOUR OF STREET OF AUX SUSPERIOR STREET
MAINDOISEN IN OCCUPANT AND JOHN CHARLES
MINISTRUM A BOODMAN AM J Das Challes
THE CHARLES STREET OF AUX STREET OF THE STREET OF TH

Experimental celestration is normal animals KATASE Bests z path tout u. allg Path out I w

13721 Study of multiple osteogenic existosea. Driftio.
Fortach a. d. Geb d Rontgenstrahl 914, and \o 4.
Unusual complicat one of multiple cartilaguage exostoses Mosexents De tache Zischr L. Char to 4.

ext is Nos. 3 and 4. The matter of the semilunar bone of the hand. If C. Far axi-Tissor Fortiche d. G. d. & Kontgenst 19 4 xs 136 [372]. Utersated guinants of the leg Bessars I d or t

19 4 EXPR. No. 0 Treatment of phicymons of the hand Traces. Bestr 2. klm, Chi to 4 xri No. 3 The results of joint tuberculous in x series of 200 cases buch ha e born und observation for fi or more years

I'D Dicksoy and D P WILLARD Penn M J 1373 SY1 7 4 Clusted and experime tal results of treptococcus in Clusted and experime tal results of treptococcus in fections, with special reference to arthritis and its ire t such F G Divas Surg Gyner & Olas 9 4 years, [273]

The production of free bodies in the joints and the

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Chondromat of the joint capsules Thouse (rcb f klun Chur gaet Gun shot my ries I the large jount Best

7378
Present Matus I Includer py 1 berculos Scanor
ZE. Was used Wansche 9 4 la Stations for h hotherspy Mustrus Januarius
Men Lim Mehnsche 9 4 zevu N SCHROT-

Fractures and Dislocations

Fracture of the surgical neck I the h merus & G Ross. Penn M J g 4 xvs 695 [175] Lata paralysis of the ulna ners following fractures of the a ternal condule of the humerus A Mortcurar J 1373) de char 1914, 4, 457
Fractures of the lower end of b merus. J D Wattali Fractures on the lower and of b merus. J D Wartinz, IY M.I. J 9.4 xzs. 35 fractures of lowe and humerus in olving the bow E. Prascov Atlanta J Rec Med. 9.4 lzs.; to Pecular manner of bealing auparcondulated inter teo of the humerus in childhood. CARL. Deutsche 20x1st (Char. 19.4 cxxviii Nes 5 and 4- Fracture of the ollower automobiliste mechanism of its

production. LAUSEMICOCCA Rev d'orthop 1914,

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lines beature. — Moternar Rev devices, 1944.

W I I STEE J Am. M Ass gra led 860 J. Modern treatment of fractures, M L. Marris.

Sindern treatment of Institute, M. L. SIREIN.

Sitch b. II Sec. 1944 and, 35

Treatment of I actures by medialary hore sphins. C.

DATINOV Surg. Gynes & Obst. 19.4 us, 73

Autoplastic intranschullary hono-pegging as a meliod

of operals is treatment for Inst. Tr. C. F. WAIRLES,

of operating invariants for fract res. L. F. Walland, Head Char. J. 9, axiss, 139. Hallson, of extract of hypophysis on the heliong of functures. Massech. I. Richman med. 9, 4 taz, h. E. Treating t of gun-shed fractures of the extremites. Congruent of the Char. D. 4 tot h. Congruent dislocation of the hap. P. Le Distan. Am J Orth Surg 9 4, 20 54 [379] F thelogical luxation of the hap lix TRAND Marseille

and 0 4 h \ 9

Anterior I gion of the hip Gressovhez and becarras I d ac med de Lidle, 9 4 szavi \ 0. 20.

I case of anterior luxuion of the hope joint \ 12xx

Chucal and experimental study of traumatic backward luxations of the kper I Hannoim Rev de chr. 9 4 xbx 337

S rgery of the Bones Joints tc.

The complications and treatment of compound fractures

B fruents Cim J 9 4 zl m, 397

Use of art ficual six tundens in the tre inset of Volk
mann uchemic contracture Larger Duras Rev Deep vin de ree med 19 4 xxx h h calcium salts.

New method of filing the boose with calcium salts.

M moozz Reforms med, 9 4 xxx h 2

Open operations in the treatment of tractures and discount of the control of the

foreigns I CLARKE Um M Rec. 9 4, v 480. Arthroplasty for intra-articular bony and farous saltylone of temporomandibular articular as report of aire cases. J B Muzzary J Am M Ass., 9 4, lon, 1367, 1367,

76s Treatment of fracture of the existence to the humans by enterpation of the free I gas at Lancar Dennache Zische L. Chr. 9 c czrvin N a 3 and 4

tty cal amputation faf grafter an old traumatism utilization of the skin as an a toplastic flap CHEVILE treb méd-chir de Prov 19 4 1X, No 4

be ere coalgia not improved by medical treatment and cured n sax months by resection of the hip Liciance Bourgogne med q 4 xxx \ 3 Resection in old cases of transmitten of the hip LEIARS

Bull et m/m Soc de chur de Par o 4, xl, 497 Cursed osteotomy mangul rankslose and cont ctures I the knee joint Scarning B tr klin Chi

inety nine arthrotomies for fracture of the patella H B DELATOUR Ann burg Phila 9 4 hs 975
Amendations of the foot M DERAND Arch [382] de chur que xxin. 10 Operati e treatme t of pa tic flat loot Inscurn and The electric drill an ream r and trephine r bone

014 [383] (384] surgery C GEIGER Surg Gymer & Obst X1 762 Singery of bones and jost T C Your Lefect M J 94, 0 B ne nd jost singery G If Seassatta Soc V J 10 4 XI 27 [384] Original surgical uses of the bone gr ft I II \tat &

Orthopedics n General

bure Gy ec & Obst 9 4

C age tal deficie my of the radius and a homologous ordition a the leg J lassis and H II ROBARTS La t Lond 9 4 clax 606 1384 13841 I case of symmetrical mall rm tion of the hand ac companied by double hell signs ROEDERES Rev d rthop 94 N ranop 94 N s I alse co algra m Juldre L MT To louse med ` r BRAND \ derl Tudschr a.r N.

I de loument I internal a pracoudyloid

process of the femur Roros Re dorthop to 4 v No 1 Paoas porvus contraction M H CREMER. J Lancet,

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thr 9 4 111 425
U usual convental malformation of the knee Ross

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Study of the congenital malformation of the ankle called \ kman r I Altranan Thèses de doct Par 13843

Cl b foot a tat tical note A ERRY RIED ٩m J Orth S g to 4 m No 4
Vassage in club foot Rotorezz Clinique Par

O A IX N Treatment of congenital cl b foot J h louve.

Med Council 9 4 x3 11
Tarsectomy for club-foot w method of operation
11 Laus Arch term 1 de chir 19 4 1 369 [386] Supernumerary gre t toe of the right foot Coville

Rev dorthop 9 4 v 1
Orthopedic treatm nt of severe nfautile paralyses Go anov J de mid de Bordeaux, 19 4 lavy No 20 The surpocal treatment of mf the paralysis R Jones

A case of partial congro tal hypertrophy Sitt estrey Ch. ch. p. 4 xxi No. 4. Con_co t i malformations of the hobs th ir pathogenic

Con, co. 1 fusilermations of the limbs the prathogenic chambeaton. POTEL Rev de hry. 94 xxiv No. 5 Difference in circumference of the lower limbs. Passe, the control of the limbs of treatment of part of limbs of the limbs. The control of the limbs of limb

SURGERY OF THE SLINAL COLUMN AND CORD

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Sudde de th ft Imba puncture R
I it Ioulouse mal 94

T basque of laminectomy and radicotomy from severa see R Lunchuz Lyon har 914 at 407 [388]

1 wmethod of tre ments of coccygodynia Linguity. Prog mid q 4 vi N q

von tubercula disease of the coccy d dry car
the bp C t it Re cop qt 10 8 lb lst

Cause nd treatment of scolous & B lb lst d dry carres of

J Orth Surg 9 4 21 \ 4 Concern ng the tre tment of scolous. \ Schanz, \m

J Orth Surg 0 4 x1 370
Abbott method ad Forbes method in the treatment
f scoloss Laws P n mid 9 4 1 V 3

Report I the scolors | 1 c of the Children Ho Boston J W 51 R V V J 9 4 M 17 17 [389]

SURGERY OF THE NERVOUS SYSTEM

T ases of lurster lan Ochucten's operatio for Little disease I DE B tax lun Soc belge de thir Brus 9 4 xn 46 [389] | sect m f kohol and neurotomy of the 1 mail

br nch of the superior lary Leal Bat ETTE \rch ternst de Laryagol etc 9 4 xx u \o Tre tme t of paralyus of the pper extremity FITS Deutsche med W basch 9 4 xl \o 2 126

Nerva reaction i panelul gangrene Zwize and Halais Frow med of a xxvii N 17 bothe muscle and muscular neuroinzation in a scan of paralysis of the trapezous. Hickars, Zentralist, I Char 1914 & the \ n

Ancursus and injuries of the period in war surgery LALRENT Rev de char ort, xxxiv \ 5.
Injuries of the nerves by fire arms. David Beitr z. Liu. Chir 914 zcl. \0.
Gun-thot injures of the perspherel nerves in the Billian
war Guntalou. Beste z kin. Chir 1914 zcl \ 2

VISCLIANTOUS

Clinical Entitles-Tumora Ulcura Abscesses, atc. T more in Japanese chickens, especially a tr. plant ble tumor 1 lags and a. Naw to Ziache I

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Certain spotaneous of k t more as manufest tion of a single discase p it described astronomais riferd with blood unuser. I Rota J Exp Med 914 xxx co. [399]

Certain mentaneous buckes tumors as manufestation of a single discase simple juntile celled astronomata. L. B. In ca. J Lu Med 1914 112 577 [390] The cancer question II D Dute Ved Recald

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Cancer problems, Is \ \ Cantil Lit o South

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The early district of cancel I h h t ar bouth Calif l'Yact 9 4 33 94 Callet 1924 9 4 22 64
Anti-operative frantent of rancer LEMA Drust
sche med. Wichascher 914 21, 70
Caucer renorders in theory and practice D to
HANSLANA Linker f. halbsforck 9 4 22 10
The projektals of cancer W J J MA 16
Surg. 13915

Thile of h 703 [391]
Experimental cance Truscust F Russ brack
2914 and A I method of an using the correctness of the fragmost of CARCINODIA PI RAOW Herl Als Welmach o 4 is

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Fas. 40 Best methods of discouraging the act ty of monerable pageer A tudy of heat in cance | | Pager | Im M Ass. 19 4 km 63

luther experience in the non-operate treatment of cancer Labora, Caus Larsate Lambers W Tiex and hors and a Deutsch med Wchusche 94

al, N 15
Wh t cancers should be treated by radio-acts 1 is
tances? LOBLANCE Berl kim Wichnicht 9 4 is

New bacterological discoveries and the cancer problems G A Casalin South Mineso M Rec. 19 4 at 159

hotes on diagnosis and treatment of cancerous ac growths Michaelore Russk brack total race, No. 3. Importance of ubjective symptoms for early recogni-tion of cancer I Levry 3rch Diagnosis 9.4 vs.

Treatment of 13 cases of moperable caremona at the Longetz chair by Zellers method. Honnanne Ver trag gris in d. freun Verennest, d. Chir d. her Suchen

Length of his I the cells of mouse carenous at the temperature required for neuhation and test and first Lord Berk his Wichaschr etd, It No. 16
Pressa rous leunes. J C Biconscoo Long Island M] 1914 m 161

I restrat attatus and prospects of cancer treatment. C The ride of the pathogene blustomy on in the etology of carrinoma. Royalit Victors (reh | path Asal, etc. Berl. 1914, extra | 1 Asal of melandus arrows | Milary Tes. St.

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The rule: 1900 of human insure in valvo. J. R. Loize
and A. Il Faritus. J. Lep. Med., 19. L. mr., 501.

J. Prichistone post moriem superry: the ritual braking of
human bootes with the fields removed in the orbible 28.

Runary poors with the case revocate at the section, 2s-Barracory Arch prov de char 19 4 Nau, No. 4 Surgical judication of hot air Rozass Sud med 9 4, 31 to 77 The modern terms in the treatment of malignancy R 13 Bocco N V M J 9 4 No. 25 as angus 7 al J 9 4 80 23
The engrey of the practicing physician. \OBDIANY
Med Alin Berl. 19 4
The prevention of surgical shock and post-operative
pala L B COOA J km 31 tes 9 4 km 1777

Sera Vaccines, and Ferments

The perum disguous and generalized infection R L J als J Trun St M Au. 9 4 vs 57.

Some network mixtoners of the val of serum and vaccan therapy J II Mckers Penn M J 914 xvis.

peculi treatment of ou do with the serum of hype anomanued horses. Jot ELL Thines do doct. Ps.

forcerhatel threases in surgers and their treatment the scrum and comes B Cuotzor Be tr kim Ch 9 4, Irans, 38

Serum and comes in the modern tre iment of genor head theumatism and orthitis. MALLETERE Thèses head rheumation area or the doctor for 0.1 Timus respection of large docts of serum Burks and Assaura Arch de med et de pharm mit 0.4 In 15 The treatment of lets us by antitours. E. b. Inova. [391]

The treatment of teta us by

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tances in the name I II halls and W II WEILER. J Am M Ass. 194 km 1800. Abderhalden's reaction LIAERGAARD, Hosp Tod

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schr q 4 xL 484 Ca cer and the cance problem W & Gaocyn Hes 1. 9 4 mi 20 Abderhalden serum reaction in cancer J Bayers.

Compt read Soc de hot 9 4 laz 4, 36
Abderhalden reaction and is significance in practice
31 P hashouthask 'on v med 9 4 ms 5d.
Bacterial accines nd the theory of their use W G.

Institution of the trace of the med Wchnachr g 4 la 699

\u00e4colle and Blauot accus in the treatment of gonor hom \ Da Sue \u00e4un t Bull boc de méd de Cand. 9 4 Y 85

Treatment I soul goner hous with nontonic arrange and Blassot accuse \oot zs \tech wol de la cha

de Necker 9 4 No 9 Nacunes and immunity their relation to surgery O A HART J Vch M M Soc 9 4 202 37 Recent results observed i the Transer clause from the use of Nucolle Littonococcus accurs Bar and Lagranza Ball Soc dobs et de gynéc 9 4 20 14. Demonstration of the origin of the protects ferments

LAFLA nd Proezzi 9 4 bu 844 The treatment of malignant tumors with tumo trace L VCLE BETY Munchen med Webnacht 9 4 les.

I write experience in the treatment of surcomatons rats with extracts from their own tumors ? BILLMEVIELL INC. Therap d Gegenw 9 4.1

Blood

Hemorrhage, ducases J W McI ross Canad M \(\text{va}\) 0 4 4 45 kmoorbego disease of the new born by direct transdusso of blood \(\text{V}\) D Learn-lase \(\text{J}\) and \(\text{V}\) by direct transdusso of blood \(\text{V}\) D Learn-lase \(\text{J}\) \(\text{V}\) and \(\text{Ass.}\) 0 4 km 866

Transdusson of blood in scute yoat hemorrhaps angenus. Linoug a Thèses de doct Lille \(\text{g}\) \(\text{J}\)

The inheritance of family characteristics, especially the mheritance of hamophilia and a attempt to explain it Losses Deutsche Ztschr f Chir 1914, cxx m, Nos 3 and 4 Pathological variations in coag lability of the blood and

remedies polied for them. PLICQUE. Bull, med 19 4 Thrombosis experimental study with pecual ref rence

to the blood platelets. R. HAUSER Hab Schr Rostock Thrombous and embolism a series of unusual circulatory accidents occurring in acute infections. W BIERRING. Infectious thromboss 2

NAGOLA Virchow Arch f path Anat. etc Berl 914 ccxvi, No. 2
Post-operative thrombosis and embolism. E CHAEVIN

Thèses de doct Montpellier qua Transfusion of blood to princ ples, indications, and terhaque A Dejouass Arch de méd et de pharm

ternaque is required in a method of transfusion A Fam. Y M J g 4 cm, g3

The use of herudin I the transf sion of blood R S HOOKER, J \m M Ass. 19 4 hn 781

S HOOGER, J um at Ass. 19 4 to 70.

Transition of blood and its pplication in better
LEFELER Thèses de doct, Par 9 3

Technique or remo si of blood and intra enous inf soon

Oscar Gave Munchen med W husche 1914 lzi 775 Experimental study of a method of treatment based on timulation of the phagocytes YAMA-OUGHI Ann de

Preparation of the blood for co ting its cells, a d the sources of error in the methods h therto used W ROER Some flects which follow pon change in the re ction

Some iterts when follow pon change in the re cumo of the blood, delivered before the Royal College of Physicasa of Loudon on March 31st and April 4, 014 F C HOVALN. Lancet, Lond 0 4, clax vi 65 Relation between blood serum and carcinoma cells Antron March. And doubt'e guide 914 xxx 1, yellow 17. The methylene blue piece and stamma method to determine the assessment of the statement method to determine the assessment.

determine the persistence of the ucles in mature eryth rocytes of mammals and the use of methylene green par treate in hamatological d histological techniq C Gaosso Folia hazmatol 9 4 ut, 7

Blood and Lymph Vessels

Curroud and rusms of the 1 mbs Fs as \ Cim. char 19 4 Etc. \ 4 A case of thoracae neurism without physical and ng

H S. Willsow J Lancet 19 4 MRIV 306 Interpovenous annurum of the common carotid and internal jugular W Srvatt. Dissertatio Munch (393)

Artenovenous ancuresm of the 1 ternal caroud and the internal jugular Girsov Harmany J de chi 9 4. 12 71 Experience in the s rigery of me rism a [393]

Best kin Chr 9 4 x N
Best kin Chr 9 4 x N
Bustos of circular sut rs of excls II FLORELEY
Machen, med Web schr 19 4 1, 500
Transitions of lymphosacroma by bensol r G Moo

ireament of lymphosarcoma by uccase
and Med Press & Circ 19 4 cd 1, 654
Three reassrable case of lymphog an iornatous
Russes. Bestr path Anat u kim Path 9 4 l m [394]

Irruption of lymph glands with seco dary carcinoma simulating carcinoma originat ng in the will of the digesti-tract. C. Lease Dissert tion Bonn 9 t

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Hodgkin becase C H Burns Hull Johns H pkm II sp 19 4 22 77 Igkm disease. C II. 1934]
The blood put ee in II Igkm disease. C II. 1934;
I. Bull. has Hopk. Hovp, 914 av. 23. 1394;
V. thuscal consideration of Hodgian a disease. I. L. 1934;
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Ligation of the appearant tery (A Hanan

Polsons

Surg I'h la 1914 1 963

Inkercle in alle the blood ('M was besuff & Robert Loch Stat H Lampe d T berk 9 4 1 44 General a of tion of t bereulosts \$281800GE d account 9 4 xxx 3
Prima 3 localisation I the pine monaccus taide th lungs in hildhood Macro & Pediatria 9 4, an I in I diff table pursons of Loch bacill on the nurmal tunues II Dont's it and Orthograms Compt rend. held de lacad d se 93 d rends helds de facual de e g 3 cl 7 bome characteristics of proteus wigans expensional tudy of the rôle of the association of fact in un testimal pathwise; Barmatter Thères de doct Far 9 3 General gonorrhau in 11th gurt un done-hall years old Scarnass Artic demedick end 9 4 No 9

Surgical Therapeutics

I note on some uses of sodoform II S Dan ton Lieu R 94 B is 64 V sform F GROSE Cynell Rutubcha 94 m, Our oper acc with no aform \+sesay Gy 11 Rundscha 94 64
Therapeutic use of the insufacts t grotan II and
Mayan Minchen med W. hmsch 94 kt 880 Surgical use of ther for other purposes than must hesis G D AND Clinique Pa 9 4 is 67
Comparat is at dy of the narcotic nd disorderts :

flect of ethereal oils and their act con t tuent R GENTZ Discrizion Rostock 9 3

Morno al a new sedata and hypost Saza Pieno el a new sedati od hypost Ako Berl ki W huschr 9 4 li N Lapenmental t dy of ernet ne hydrachkorst therapeutic uses MA LL I no méd 9 4 Ortzon, a stable hydrogen peroxid preparation Fa SCHTLENBERG. Med Kor Bl d Writerals Seril Landes 19 4 Inns 6

Andre 19 4 MAN Sennatus, new ubc taneous d intramuscular arrait 11 Dazus Deutsche med Webssch 9 4 d intramuscular nirgati 1 407
The treatment of tetanus by phenol sujection by Batch
h method. M J 77 5t Pritish med Zischr 9 4 XXXIX 45. The use of hydrocise acid in the treatme t of some surgi cal affections. L RAFFALLI Reform med 913 tit

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Zisch I Chir 94 CER 111, Vos. 3 nd 4
Effect of 15 thethe preparations of the adrenals
Scinssisson Zentralbl. I Chr 1914 xli 50 Lanyloi freatment of malignant new gro the Rare Muschen med Wehnschr 914 In No 20 hal rea treatment I surgical pohilus Insacur 20 F Bestr a Line Chi 9 4 222 No 3

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J Bancer and For swine. Confer o 4 ms. of Piecenta pressur J S Campager J Tenn. St V

base 0 4 val 5 brady of prolonged pregnancy SELLET Thèses de duct far 19 5 Contin ance of pregnancy in t cine hemorrhate & Cleans Description Liberty 0 1

Labor and It Complicati s The treatment of labor | contracted pel in. L. Vian

In periant tre tment in contracted pel is and the In persant tre turnst to contracted pet a and the totatope de subject treatment. It I is assert Monatch L Geburtah Gyakf or a trans ghome. The surgest latest actional from the standpoint of modern surgest te chance in obstetric Airstan Monatch? Geburtah Gyask o 4 stans, gds; Prophylectic expression in the transfer of contracted per in Manatch Colorate Mysels.

Reserve Monatschr / Geburtah (ya.d. 0 4. Po rara ALSUE, 565 crucon for shoulder presentation

I d sacra-f mmrs, 9 4 xlu, 49-

Sudden spontaneous erson t the e d of labor in a shoulder presentation voxos Bull Soc. d obst. et de

g) née de Par 1914 in, 46

Neglected ho ide presentation and embryotomy in
rural practice RABALTE Thèses de doct Toulouse

A case of primary face presentation FAREL and RHEL Thu. Bull. Soc d'obst et de gynéc de l'ar 914 n 49 Breech extraction by Deventer Mueller's method. R n TREY Ann. de gynée, et d bet 0 4 xh, 46. [417]
A case of dy toria from hydrocephalus VALLOUS and
MADON Bull Soc dobst t de gynée de Par 914

Dystocia from enormous distention of the child a bdomen (ascitca and retention of unne) GILLES ROGUES and LEFEVEL Bull Soc. d bat et de grace

de Par 10 4 m. 48 Dystocia from catreme size of the fatus Porro operation after unsuccessful ttempts to e tract the d obst et de gynée. de Pa 9 4, 111, 124

A ca s of dystocus from ca cer of the rectum bank
Ence Bull. Soc d bat t de gy (c de Par 9 4

Trendelenburg position in severe hamorrhages during labor G Figura Bull Soc dobst et de gy éc de

l'ar to 3 # 75 Three cases of severe batetrical hamourhag treated by Momburg's method with uccess in two cases. L

PERRA J d sages of mnes, to 4, zins 66 [417]
Relation of syphilis to dead, macerated fectures b
Maccanary Arie oath Milans, 0 4 zz us 65 [417]
St dy of mhypotomy A Cour. Thèses de doct

A method of determining the degree of d latation of the os during labor by external examinat on F U Tax BERGER JR Zentralti f Gynak 9 4 servin [418]

Lat mal examination d ring labor O Houn & Zentralid | Gynhl. 9 4 szav u 300 [618]
Obstetriczi uchanque R L Ellitu ap 1 St] 14181

Med 9 4 1 3
Litology and treatment of rupture of the terus P
THEODOR Desertation Education 9 3

The lammans text: means of duluing the cert
\$ Strpet. Finner ret 9 4 xxxx, 40
D 1 ry siter an operation for ul must \$ xx177xx

J ahush 1 jensk holder \$0 Prierrib 9 4, xx \ \text{ Apr}

A new method of artificial separatio of the placents

J 1 t anarro Munches med Websschr 9 4, xx

The ma usi remo al of the placents and membra es W B (> 17 h) M J 9 4 22 36
R tention of membranes in full term del very P

(1D Ugeske | Larger 9 4 laz 457 [418] Am ligation of the umbilical cord, practiced in ten thousand del eries A Raciniza on Zentralbi | Transfusion of blood as Translusion of blood as pplement to hysterectomy the treatme t of rupture of the uterus during labor

(SA AGF \ de gynée t d last 9 4 als, 40 I traduction to the use of forceps. GARDET Toulouse I reeps and their indications Pt. Three de doct Par q s

Puerperium and It Complication

Purrieral eclampasa th special ref rence to present on W D Po to Lancet Clus o 4, cs 46. [419 14191 Puesperal sepsis some methods of prevention. C HAUGEMAN Virg M Semi-month 1914 XIX 110. [419] Treatment of beginning puesperal lever with various sorts of hot douches. STROGANOFF Monatische f

Geburtsh. u. Gynàk. 914, xxxx 587
The routine treatment of puerperal sepsis. J C. Hinst J Am. M Ass. 1914, hm, 273 [419] The prophylactic use of sensitized bucterial accines

The prophylactic use of semanass assumed in puerperal sepair. h T CHAMPTALOUP Brit. M J. [420] Differentiation in the prognosis of puerperal fever BARUMER Zentralbi f Gynak 19 4, ERVIII, 505

Study of amnuotic injection and its consequences for the mother Princain Thèses de doct Toulouse 9 3.

The treatment of puerperal infections. Goodall.

Ca ad M Am. J 19 4, 19 589
Typhoid fever ad the puerpersum. Denoun. Thèses de doct. For 9 3

e doct. Per 9 3 Malaria and the puerpertum l'oussoirs. Bull Soc. dolst, et de gynée. 19 4, 11, 44. Relation bet een spina bifida and the puerpersum

WITTER DE FROUTIQUE Thèses de doct Toulouse Icterus during puerperal infections. Cyante Igason

J d sages-femmes, 19 4 xlu, 41
Post partum shock \OLMAY Thèses de doct Lyon

Purpe al psychores, A. Homeans Descriation konagherg, 913 Purperal manus is exuses, consequences, and treat ment T Bachilistes. Chinque Par 19 4, are 338. Aul votagonal infections post partium and new methods of treating them Michael. Theses de doct., Toulouse

The management of the puerpenion chapter in pre-to medicine. C. Czianosy Lantet Clin 9 4 CM 7 1 14211

Management of the oman and child during the puer persum W P Mills \ Mex M J tot4 xu 84 I fluence of gonorrhors on the puerpenum Fasse nd Di joi. B Il Soc. d obst. et de gynée. 9 4 ta, 200

Cysts of the ovary and the puerpersum Larrongue. Thèses de doct Bordeaux 10 3 e al m erson of the uterus. Beckway smalled I Gymak 10 4 MEEVEL, Vo. 18

case of puerperal gonococcemia A. Scriscino Worsk Vrach, 9 4 79 Two cases of recent term int rison manual reduction

recovery R Poux, B Il Soc dobet t de grace, de

Viscellaneous

Theory of their halden pregnancy reaction and re-mark the internal secretage of the female generaliza-consule too of morphological principles. J Sciiorr LAEN is Zeetrillal. I Gynals. 914, xtryn. 4, 16211, the halden a diagnosis of prignancy riply to Abder Under haden a outgrous or preparancy reply to convenience haden criticams of my work m \ o of this Wichneds Littatus Vinnehm med Wichneds to 4 lie 668 (aguitance of Medrialden reaction in batteries)

Cignificance of Abderhaldes reaction in Section 2 Control of Contr Signmanus of courmance reaction, especially bettere as of a faceboxy Ferrers D tache med W hasch of A disks. The bederibles semboscal test for pregnancy preliminary most of the cases. W C STO ER and J [422]

E EL Ceveland M I to 4, mm 30

11 439

Intravescul distation of the lower end of the vector Manurez Thises de doct , Par 19 3 Intra escal extrepation of large papillomata implement around the ureters S ROLANDO I d ml 9 4 281

implantation of the preter in the descending color and 1914 IV 280

Bladder Urethra and Penis

A case of traumatic rupture of the bladder Distra Tours. Reforms med 1014 xxx. A Non-parasitic chyluna County Proy mid 20 4. XXVII N 20 Three cases of maligna t growth at the base f the blad der treated by duathermy C L latenals of R Tracks SOY Lancet Lond 9 4 CEXXII. 745
P pilloma and umple picer of the bladder Grassyre

SEER. Riv out 19 4 19 75
Treatment of papilloms of the bladder by intra-cural lectrolysis Runour Openingues Siach f Urol

914, vin, 306
Study of tumors of the bladder Bottag Rev
uses de mod 1954 are h 6
Fulguration and lectrocongulation in tumors of the bladder V Brine Wen med Weinsche 9 4 km 505 Infiltrating caremona of the bladder without tumor formation and without ulceration tov Factorit Monatschr f G burish u Gynak 19 4 zznz, 555
Lindscy treatment and prophylams of encal calcula
Jos. Pariadiastages Zischr f Ged 9 4 van 185 JOH, PERINDESSEARE ZEGET I DING 9 4 viz 18 Organ prevention and treatment of vessel calcule 8 P Vor 1 monary Zische f Uroi 9 4 viz 63 Organ treatment and prevention of vessel estimated FELLE SCHLASTYWEST Zische f Uroi 9 in 2 7 Vossel Galcule report of a case J II Schall N

bin I Homorop 1914, xxx 335 Calculus containing at cr in case of argyris of the bladder | Brux Wen, med Weinnicht of the

674 Hypoga inc section for vesical calculus Accurre.
Rev libero-iam de cien med 19 4 xxx, h 6
Elimination of silk s tures through the bladder forms
ton of vesical calculus Rand Le Fin Rev print of

mal d org gen ur 9 4 m, 3 Calcula in bladder diverticula Got 2007 Thèses de doct, Par 1913

Radical treatment of congenital diverticula of the blad-der Bustov Thèses de doct Par 9 3 A case of ectopia vencur in which the ureters were grafted Bnt uccessfully unto the rectust T Y Stateso 7, 914, 1, 28 [429] Perforation of the bladder into the becoming cavity B RUSSERT Dissertation Lepung 9 3 Syphiles of the bladder Dissoura Thèses de doct

Per 913 Severe generatoral systems treated by sessentiated and gonococcus vacuum Dorrent Paris med 9 4

Va. 25

No. 15 What not to do in chronic generations Fairez J se et méd de Pentiers, 19 a v. N. 64 a. The correct interpretation et ablader ymptoms C. Martin de la company of the correct interpretation of the bladder and in consequences. V. B. 18 Wein, med Weinschaff 19 4 10 5 10 5 Emmon of the bladder for makings it disease. C. A. Montrov Both M. J. 19 4; d. Operation for excluy of the bladder Holesmone Deutsche Exact of Char 9, a carron No. 3 med 4.

Cystoscopy in pencystitis originating from the docu-of appendix O PASTRAL Rev mens, de gyaéc, d'obst, et de pédiat 1913 vin 656. Existrophy of the bladder J A. Jonestrov Lancel-

Class 1914, cro. 691
[103]
Remo al of loreign bodies from the female bladder
J Gorn. Dissertation Munchen 915.
A simple method of bladder dranage E B Cart
Alsono, Cid Dominos J, 9 4, rval 368
[438]
Capacity of the female bladder K. Schöreno Daser

tation Marburg, 9 3
Total rupture of the prethra in child of eleven of Cular miture cystostomy recovery without stricture to beau B il. t men. Soc. de chir de Par 19 4 st 544.

Foreign bodies in the urethra and bladder K. Tatt Late results of circular wethrorrhephy follo of by den stoom to rupture and traumatic stricture of the wette G Manton J durol, 10 4 v 553
Successful nira rethral operation for diverticulate of the utethra H LORNETEIN Zischr f Urol u.

Genital Orean

Etiology of late cumuchordism Schwarz De tiche med. We canacher 19 4, 12 N 9.
V records operations. W Vav Hook, burg Gynce. & Obst 9 4, XVIII, 759 Orchi epididynutis in children Court Rev Ibero-Am de men med 914, xxxx h Cysts of the spermatic cord, of connective trade onem

Cytis of the spermatic core, or consecutive for [439]

R Most I Gest d mp 944, EXP 1999

Robertions for operation on the semand core

1 B Squires. Boaten N & S J 946, chry pol [43]

The diagnosis and treatment of early stadgeant diagnosis. of the province It It house the J Urol to 4.5

Enlarged prostate. | D WARRESTEN N Engl. M

Eslatged produkte. † D. Wannauen a. 1992.

Hypertrophy 1 as the produkte Santy Persex. Union Med of Chanda, 944, 5th No. 5

Fer- and post operat: irrationed up produktetionly produktetionly produktetionly produktetionly produktetionly produktetionly produktetionly produktetionly produktetionly in the produktetion of produktetion in the produkte

Miscellaneous

Traumetic injuries of the granto-unnary tract HAMS
GALLES PLESCHER Zische I und Chir 9 4, 11, 281
D senses of the unnary tract us 914 Gargonal and Dong Parts med, 914, 57 N
Hydramus and the volume of some CHARGER ad JOACHIMIDES Arch urol de la clip de Nochet 19 4 6

Treatment of nocturnal incontinence of urine by permeal pectuous of serum. Cames. Presse med 9 4, xxx, N 36

N 56 Formation of cylinders in the one SARTOS Re-Formation de com mod, 1914 EUR, h the option of the The effect of demons inclosions. The effect of demons inclosions of the telegraph of the property of the company of the Manur Ved 2 to Barrows of the Company o

MATTET Separat 0 3
Parodohermaphroditism, ser doubtful. Kaucen Fraval
Zentralbi f Gynak 10 4 xt 21, 5 4

E ternal mesculos pseudohermaphroditism. LEGERAL. Lentralbl. f. Gynäk. 9 4 xxv u, 122 [432] Treatment of cysimum G Klempenka. Therap d.

Gegenw 1914 1 1 A case of pneumatura Cealic ad Crocalter I durol med t chur 1914 V to s

Conorrhesa an the German protectorates. GUSTAV Hent. Dermat. Zentralbl 1014. Evu. 120. The alue of albumosuria in suppurative surgical infec-

Unnary antiseptics. J W T Warker Edunb. M T TOTAL XM COL

SURGERY OF THE EYE AND EAR

£50

glaucoma and conjuncts to R. C HEFER Int glaucoma and conjuncts to sowar Eclect M J 19 4 less B Ghovarcoma of retina with recurrence in the trum of Highmore E Stitus. Pesa M J 914 1s. 702

of Highmore 1. STREEL 1988 31 J 914 11, 703
L 1 aronicary recovery from an adustrial secretaristic retrogression of a parophthelmus of the cornea consisting of graumatic perforation followed by selection Retirem Scalpel, 1914 it is No 24

Quilar tra matum medicolegal consequences. Ca TOWET Prog med 914 zin, S
Some points relati a to enucleation of the sychall and

monthetic inflammation E R Caspe TES Ophth Rec 1914 xxxx. 36 Oculo-oristal intracrasual and cerebral complications

of masal origin O oor Peat med chir Presse to 4. Fisherical relationship between accident and detachment of the retins & Practical Zische ! \ugenh

Berl, 1914, EXM 4

Othus media and the septement from pyocyaneus

R Doublevan Thèses de doct P r 914 [433

Lond 94 cheers 16-9 [434]

I transati surgery in discases of the lachrystal passages Go axe Berl kim Wehnschr 9 4 k 8

Bidateral hypertrophic tuberculous of the lachrymal
and salt any glands with generalized adenopath of the same ture SABRAZE Gas hebd d sc med d

Il rdea to 4, sx. \ Treatment of govern: I ophthalmia in the new born V M R Bull Soc d bat et de gypée de l'ar q 4

Some bun tio I the took gy and tre tment I come I kers A C L was I T St M In Hkpharoplast by pregrafted flap C G so

burg Phile o a lix os (434) An un sual case of f reign body of the rist JOI BA (staract in the capsule with notes on le en hundred that were consecuti operation R Burn Indian

71 f w 2 d 4 pr ٠ [434] lengation after cat act 1 1 R Sanks Indian per II Til vo Indian Mitar o 4 al

(434)

furthe personne with the write method of aborteng ocula musics without employing sutures under
tension R I Ot w treb Orbits at a the treb Ophib e a sha

Ear

Frontal smus supporatio H | Lotingor lan Surg Phila 1914 lat 937 | [43. A primary surcoma of the right uricle Bridge Frighl Zuckr i P th. 19 4, 57. No 2 14341

The use of the nasopharyngoscope in otothinology Nous Practitioner to 4, Ct. 60

Indicates f the labymeth operation with proot of eight operations and six cases in which no peration performed C & West Jan Old Rhund & Laryn 20) 014 TEM. 66

A case of bilateral pecific duesse of the labyrs the ath left facual para-yeas (the phenipheral type (2) A case of ottite thrombous of the sigmoid annu, without ayrep-R B CANTELD J Mich St M Soc. to 4

211 389 Chro ic suppuration of the middle ear II, Wood

South Pract of 4 xxxx, 30 When the radical matted is importal. J C. SHur-Am. Otol Rhand & Layrago! rota xxxx 74 [435]
The blood-for method as paked to the mastend person. Dururo Practitioner 10 4 xxxx 1555

Methods I masted trephining used t the Gottingen car class the tended classic trephine U.F. O g /techr f Ohrenheill, etc. 914 lxx No. 1 and 3

Three handred cases of trephining the mistoid process to acut mastorius Tea et nd Lavasour Gaz-

med de \antes, 19 4 saus \
The treatment I accolental ounds of the dura d rane operatio upon the masterd process. F B D Laryngoscope o 4 km 504 [436]
Treatment of threatman acut ymptoms in purulent
outs media h mmr. Deutsche med Whish

9421 Treatment I chrome masterd to masterd operation.

Treatment I chronic mastoid us mastoid operation.

Maint Prese méd 9 4 xxi 37

Inumediat closure after anirotomy in acute mastoiditis.

Mot Rev held de lapyngol 1c., 914 xx 30 18 Operati treatment I severe chronic catairh of the middle ear Ruffi dischr I Ohrenhulk etc. 014

is 1 You s and s Surpical judgment in ope tions for sout resitoidit

G. C. II et. b. M. J. old su, 368

Surpical operations in the septicarius ht must.

Drutsiche med Wednische 9 4 st. 4 m.

Dreve galer mattod peration Wats man R brisl de larymed et 19 4 2 2 9
The diagnoss of endocranial complications of uppura t slabymethits. Be and Litera 22 fm fm.d.

Rhand & Latyngol 0 4 mil 0. [416]
Operat Ireatment of its thrombuphicistis f the saus and the laternal jurnar vein II aris l'est. med-chir Preser 0 4 l.)

SURGERY OF THE NOSE THROAT AND MOUTH

1000 wm f the yamph mas and sample too of se west. 57 C. Thomson, Practitions 9 € 2012, 745 [637] We beet tomog fork assumation 1 conjugums in n all san on Fast Tapp Litch 1 Obrenheilt to 0 4 last 100, a rad 5 hat we doe so of the manifery or us. R. C. Lavers inn Otol. Rhunol & Laryngel and state go. [437] Lorrectors thungilisty L. Le 24 Laryngocoupe 14373 torrective interpretary to an extension of the first and to the first and the first an the trast de lary to the mucon I the Trace The state of the same of the same that we want to the same that want to the same that the same the same that the same threat and e. I at it is it is the same threat and e. I at it is it is a same to the same threat and e. I at it is it is a same to the same threat and e. I at it is it is a same to the same threat and e. I at it is it is a same threat and e. I at it is it is a same threat and e. I at it is it is a same threat and early that all git, n of past on t saidle one set a mena is one set of past on the set of the light of

Throat

brudy of pal tal t will to literat reat danhe ?

Histograthology of the faucial tomal T & Carnon Large-conduction of the Initial times F E Chapters
Large-conductor of deet post advanced. F 1 Boogar
V 51 J Med 104 at 3 3
Cluck method of local par-direct in tot 1 entirpation of the large libers. In his potential le large of 104 2 2 2 2 3 3 2

I transc after of the laryes complete extense parently fected by endols regest perston by C. In size F hm laryeged has blance City of Max

Mouth

Another a operations the se th letter Therap defeature of the palet and sal post-operat o Blarchy, features of the palet and sal post-operat o thousance the timest 12 sector. In h. internat of

Laryngol, etc. 9.4 \ 2 The time t of tuberculous of the monous membrane of

To the t of laboratories of the majoral memorator of the mouth and of the jumps That state. Desirch Stake (th. 1914 of 1, No. 5 and 6. Flyorithe abrodum of unto toucations D Ctr-Glas of M J 194 it 14,485 C v. b. shows to post-base at column. W Chicago Malana J Rec. Med 194 it if you have the special refer int radia certains and do it I came the special refer

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La thehoma of the longue b M runk t life
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Cancer of the tongue based pon the study of over one
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handred case J C. Blue loc D. Hoston M & S.

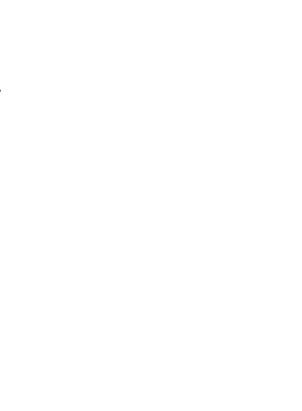


TABLE OF CONTENTS

COLLECTIVE REVIEW THE \ RAY INVESTIGATION OF THE COLON JAMES T

VOLUME INDEX 1 SUBJECT MATTER 2 BIBLIOGRAPHY 3 AUTHORS

ᄪ

58x-288

588-670

67x-692

I INDEX OF ABSTRACTS OF CURRENT LITERATURE

CASE M D Battle Creek Machigan

BIBLIOGRAPHY OF CURRENT LITERATURE

ABSTRACTS OF CURRENT LITERATURE

II AUTHORS

TIT

IV

V VI

ABSTRACTS OF CUR	RENT LITERATURE	
GENERAL	SURGERY	
SURGICAL TECHNIQUE Anmathetics GRAY II M 'N Discussion on the C clution of the Shockless Oper Iton—'thoot 'association \$9	Lion J A Ther peutic trificial Pneumothorsx as tascoate Treatment of Pulmonary Tuberculous Prehindrary Report of Susty Two Cases UFFREDLEZ O Surge 1 Treatment of Pulmonary Tuberculous 55	
SURGERY OF THE HEAD AND NECK Head BONGA I Technique for I transural I section of the 5 perio Manillary very t the For me Roundom Technique in New Crossio Aldegment New Crossio Melcological Judgment of Head I june SOUNTING AND Pittulary Disease a Clinical Study of Three Case Sounting I The Hypophysis I manued Males and in Manellmant I in its so	Trachea and Lungs Cook R. H. Reno al of Th. Valls from Bronche of Chief The Jean Old Hexcents. A. Expensers Surgery of th Lung Heart and Vascular System CARRET. 4 and Tyrrite T. Pathological and Ex- persence I Study of Surgery J the Onfices of the Heart	
	Pharyar and Geophagus Starto Cuanal's d'Esprimental Study of Plastic Operation on the Geoph gus SURGERY OF THE ABDOMEN	
Meck rs F L Tunsors of the Neck GEURIAL Theory of Basedow s D vease Vily aurch ma Crettman, and Mounta Gotte Hyper and Hypothyrouthau Cultar R Are Vil the Heart and Blood Vewel Symptoms in Basedo Divease Due t the Disease	Abdogannal Wall and Pentimeum DRIVER Th Arched Departure Incaseo Grafe, M Menopaat of the Umbheias Horszut II Leucocytosa in 1 trapentoneal ILem orthage Out zut. The Use of Brennet' Pranciple 1 th Radical Operation for Inquirual II rain MALLE As \ The Simplified Ope tion for the Cure of Herma is 10 ⁴ to	
SURGERY OF THE CHEST Chest Wall and Breast LAMPY Cast toon int. o. of the Breast PRICARET Technique of Lemas Recettors of the PRICARET Technique of Lemas Recettors of the BENVARD Let. and I ANAP J. The Origin of 1 le Tall Housen's Collegiant Promotions in the Tallered — Collegiant and Marcheller of the Collegiant Pricare of	Care of terms in the Sponsor of Certain Stomach BROWN J \ G Olagnosis of Certain Stomach Care Acrosin W. H \ Are temological Study of the Sponsor W. H \ Are temological Study of the Sponsor W. H \ Are temological Sponsor \ Are the Sponsor \ Spons	

603

600

65

63

KOCHER, T \ Case of \ olyulus of the Stomach Da Quentary F The Diagnosis of Gastrie and Duodenal Ulcer MANO W J Chronse Ulcers of the Stomach and Duodenum MATRIEU A Studies on the Pathology of Ulcar Ulcer of the Lesser Cury ture

HELBOVELL II Laperience with Ulcer of the Lesser Curvature

FRITDHAN J C and HAWALAGER W W Experimental Chronic Gastric Ulcer a Second Contribu-tion to the Experimental Pathology of the Stomach

ON DIS INSERC, I' The Choice of the Method of per tion a the Treatment of Gastric ad Duodenal Eleer Back, C. Plastic Operativ M thoda on the Stomach 60c

STEWART I T \ Method of Subtotal Gastrectomy 605 MARTY P and CARROLL H What Role Does

Gastro-Latero-tomy Play a the Treatment of Gastric and Duodenal Ulcers Radiographic Demonstration of the Functioning of the Pylorus Following Gastro-Enterostomy

BARTJER, F. II., and FERNEYWALD J. On the Diag noses of Incomplete Forms of Pylonic Stenous by Means of the X Ray COLE L G Relation of Lessons of the 5 mail In

estine to Disorders of the Stomach and Cap as Observed Rontgroologically

GRAY F D Some Observations on the Technique of Intestinal Anadomous, with Special Reference t a Moduled Manusell M thod REDER F Remarks on the Surgery of the Heocarc 1

Case J T Ronter Extensistion of the Speedix GUNY I A and Murratocas, R II 4 Obser a

logs on the Moveme ts of the Isolated Human Lengtions Appendix

MORT S Ge gresous Appendicutes the C probits
Abscess Septic Person tis Intestinal Obstruc tion, Rupture of Intestine and Fistula Battannoz \\ S Operati e Findings in Twel Cases of Chronia Intest nal Status

Kost H Mult ple Di ert cula of the Large I testine

MASO W J Resection of the First Portio of the Large I testine and the Resulting Effect is Ita I unctron

Landz or G Total Colectomy and Subcascal Colectomy Oper t Techniq BOOLSES M R Congenital Malformations of the

Rectum nd 1 us A Procedure for the Repair of Acu de tal I junes to the Rectum

Layer Pancreas, and Spicen

Cast \$1, 11 2 Syphilis of the La er Imitating Curhous WARD S \ Case of Congenital \tres of the Bile Ducts

Anterior Choledojejunostomy with JACKSON R II Ante

ONER, W Splenectomy

Miscellaneous DEALER J B The Pathology Underlying Abdom anal Symptoms

SURGERY OF THE EXTREMITIES

66

67

68

68

620

524

6 4

Diseases of the Bones, Joints Etc Mazonez, V Experimental and Histological Study

of the A tion of Calcium Salts in Bone Formation 6 6 SCHICKELE Ovanes ad Growth of Bone FAS D J Traustatt Parosteal Bone ad Callus **Formation**

LETT II Tuberculous Disease I Bone D.Cosra, J C The C usal R latton of Tra mattern t Tuberculous

Witteress G Localization of Osteomyelitis, Especally to tdult

Baner G Hemorrhagic Osteomy chius Sutte J F Oath Tabrosa Castica Reserv J Chuscal Notes in Maligna t Tumors of

Lone Bones Arthrets of the Hip Diagnose 1 He Carly of

Pre Osteophytic binger BRACKETT Z G Lithritis Insociated with Less as of the Gunto-Unnery Track

Hasrings, T W Complement F stron Test in Chronic Infects e Deforming Lithray and Mr thnus Deformans

HOLIEROV II C 1 te Rheumat Arthutes in Children Proce L I ternal Derangement of th Ange-Joint

G Take C B Further Study of the Pathological Anatomy of Circumsembed Osafication (Muscle, with Remarks on Myosius Ostalicans MicDo And T L Contract red Propa Part in Ten-dons Their Significance and Clinical Relationship

to Leaces of the Right Blue Region Fractures and Dislocations

SHERMAN H M nd TAIT D Fractures \ at Joint Fractures into Jot to HITTERT J M Fractures of the Upper End of the

FELLERIC A II Infraction of the Second Metatar sal Boo D TES. W T F Treatment of I ractures

6 3 Montes G Comery turn in the Operat ment of Simple I act res
Cognes E V Some Practical Notes on Disloca

tions of the II p

GREEN D M Recurrent Lux tron of the Patella

Surgery of the Bones, Joints Etc.

Paracta J H Analysis of Two H ndred and Thirty Cases of Open F actures of the Long Bones, Treated by Operatic Methods SELPRES, D Operate Mobilication of Joints s, II B

a, II B I ree F t nd I ascia Transplant ion in the Treatment of \ kylosed Jot t and Discases of Bones

LASERS, L. Operat Tre time t of Par lysis of the Shoulder

INTERNATIONAL ABSTRACT OF SURGERY

LUPIUS, O Le gthening of T ndons by Slide g 625 PORTUGE C 1 Systemic Blastomy costs 62q Mooni, J W Surgical Tre tment I Inf ntile Clands with I ternal Secretion 66 Cooks A B The Pre tion of Surgical Shock Bi Six 71 Am of tions (the Leg nd Post Operat e Par Orthopedics in General Sera Vaccines and Ferments NEL F II and OFPL HAIME 1 D Cn genital New Studies of the Specificals of the

Contractures of the I gera th the Report of Abderhalden Ferment Reaction Case of the F mihal Type LANGE C I periments with Abderhalden Dialysis 6,00 FASHE I R Claucal Observations Streets Case of Scute I pidemi Polomy little

SURGERY OF THE SPINAL COLUMN

M G shot I pure of the Pempherel

AND CORD Lucosa C M Bone Tr n pla tatio to the Sumous Process of the 1 rt bree for the Cure ! Puberculous pape Disease

SURGERY OF THE NERVOUS SYSTEM

Yr i the Balka Ha BORGHARD Surgery (Pertibe 1 Nove-63

MISCRILANEOUS

Chrucal Entities-Tumors Ulcers, Abscesses etc AUE ELD II litempt t Immu usation

Leannet Mouve Cance Call G W The F o'St gr Oper tion I per H Its Relation t Preatment of C neer

HAMMER F W Rema L ponthe I ff cts Observed n the Use of M ed Toxi (Coley) Certain Cauca of Sarrom

Blood

FORTER G 5 The \ llars S o 61 S TITRILLA H S d HOOLER, R S The lurthe Developme t of a Apparatus f r the Trans-Image of Blood

Blood and Lymph Vessels

Paureo are 1 R steen Treatme 1 of T berealous of th Lymph Glands Electrology

House & C W Some I spersme that St da data tion of Dosage I r Ronigen fher peutu. 611 last R The Liliciency of Radium Surge y 633 ton Li aspiter I pe sence a the Treatm i of M Ign t Pumors th Radium ad Runtzen

Ras

Military and Naval Surrery Samt ry Service and Malet ry Surgery on the How tall Shine D n gth Campaigns in Lybia ad 1444 635

GVNECOLOGY

5,0

6to

Ut rus Pour IV T Comofided Co the Li ru Appare th Cured by Post Ope 1 Infections

T Results I the Trestme t of C neer of the Uteru th Radi m I as J 1 The Treatment I Imope able C r

nom file Lierus by topication III L 1 C P Ubdominal P nhyst rect m for (remorns of the Cery Ltern 617 T IS rooms of th Lierus File g [fection (loma

If (nect bet ee Uyoma nd Car cmoma of the Bod of the Literas-618 Usur F I metra nd Unce-softhe Lterus 6.18 I The I thologic Physiology of Uterape 635

Bleeds g Lu II \ nd Bc (F Rathum to the Treatmen of Lterm Hamo chage and I broad

Il Treatment of Dysmen SERIDE and L M orrhota

LETTER II I There My m to I Cland a the

Human Uterus Junus Gental Prol me

63q HANCE T B Retros ruon of the Uterus, ad the Slug Operation

MILLHOTH & D I rolapse of the Lieru Tre tme t

JELLETT II The R I to of Theory and Practice unthe Operate Treatment I General Prolapse SHROPAIR E L L \ \cw Supr gual Pla tic

Ily terectomy us The Lerus after Vesothon in Irradiat in

Adaexal and Persuteruse Cond none

SCHOOL AT CHAPTE T THOSE

643 M ss 1 ad Scarcero 1 Dust thance in I action of the O ry in My ma of the Lierus, and Some Disput dP intain R gard to My ma

Seas I Cha ges the Child O rs i lofecti us Diseases

Bun. W The list logy of the Sympathet Relation to the 1 t mal becretion of the O 644

Pinani C. The idnexamingur alliermas 644 SCHOLFIE Lti logy of Passalpin 644 TALE-10 I J Sarcoms of the Round L gament of 644

the Lt rus External Genetalia

MULLER R Viens of the 1 cons

PARIS J nd FRA CAL F Indications and T number of the Transversal Operation in the f ment of Vencor gual factule

ROSENSTEIN Secondary Repair n Complet T J of the Perm um JELLETT II Suture of the Le tor Ant V sele to

Penn orrhaphy Ope tion

Muscellaneous HALSER VACCING Diagnoses and Tre trough of Go otthers in Women

PART M M tust I octional Relations of the Clands of Inter al Secretion an Llement in the C matter of Changes in the Psychic Personality Barto II h

banaras, H. R. Tuberculous of the P male General Organs

LIE AO-STROGA OWA, A. P. Malignant Tumors of the Famale Genitalia

Axive to, 1 Diphthens of the Gental Organs to Childr a its ton R The Significance of Pain in the Righ

that I was in Young It omen 647 Later t Kontgen Trea ment to Cyncology 647

JAMES, M F The Limpleyment of Hypophysis Openburapy Canccological Practice Its Immediain Results

BLATHE W Bacteriological Examinations Gyne cological Discuss the Question of 1 to laler. Cociossa (J) Rt Rutt

OBSTETRICS

610

65

Pragnancy and Its Complications.

VICE & I Th Seguireance of Alejonum I Pr g na co lar the Pr cint ner

LORUMAN W The Tre treest of Lart I had Pregrancy with Report of C ves SCREETZEN Lalemones thout Con ulaun 648

LICUTEASTEE I phyllin Di tru I Lamp MX Brans at R Dermat log Tunemus of Pres

na to Theat R cognition and Treatment RICHTER M A Impolum o Crimi al Unition 640 MALCE I Land Timtes L G ments un! if ration of the Lturus all Induced Shorton 6:0

Larace, & Teatment of Mortion Deletrast Dermond Cysts of Both O rac Pregnancy

BUNESTER J II Prepares Comple ted b & Morbus Conli I C es In ted b II t otomy nde 'pural \nasthesia

Baktrica, Il Interf rence th Pregnance Labor by Wall renations of the Licrus I peculi Uterus Bicornis REMY S and REM & A Case of Do th from

Embolum During In guancy DELACENTERE II Perniciou Comuting of Prig

nancy s d Appendicat Lyacat, F. W. The Treatment | Perm 100 | mil tog of Prignancy

CANARZANI D Bossi M thou O tenangla to Labor and Its Complications

SEASONOR Statistics of Delt ers t ontracted Pei is

STRUCKNO F I IN M nageme tof Labor Co tracted P 1 is LESSTEIN Dale ery of Worn with & photoc I onnel Shaped Pelvis

I turz co J Frequency of Shoulder Presentation Indications for V ruon ad Lindersotomy POTOCES and Satisans Respection of the Uterus on

the Decapitated Head ZIMMERMAN R Came of Surprisingly Rapid De-th ry a Disease of the Spinal Cord

terres, P Treatme t of the Third St re sad Manual Separatio of the Placent

Porrperum and its Complications

LA Towns I Autorison in the Purpersian Because II Puerpetal I version of the Uterus 1 Retrodyplacement of the Literal

Following Confineme t JAN EN C and LEVANT | Prognest Value of Study of Hemolons a leterus During the Purpenum

Mucellaneous

1 Seg and Diagrous of Normal Lterios Pregnancy during its First Half ANE R The Interroteolytic Serum Action in

Pregnance Latior and the Puerpetuan and the 'aguitance of the Antitrypan Method in the Scological Diagnosis of Pregnancy

the Present of I not 1 Further Study of the Present of Intege Protectiff Ferme is in the Blood of Preps 1 Worken Er musation of it Dislysat it hash dam and Determine too at the Same Time of its h trogge Cont 1

by Means of Micro-Analysis Ecutes C V Lamisuous of the Dialysis Vethod
as Practical Test for Pregnancy

Lastes 1 Th Serum Diagnoses of Pregn ney of C cet Centual Study of Abderhalden s of C ust

E SELBOR L pd Writz, If 4 1 1 Resc Sion in Pregnacy

INTERNATIONAL ABSTRACT OF SURGERY

Apast Ly Changes in Pregnancy and Labor 6 4 Koyre II Medicolegal and Psychiatric S mulicance of Menstruation, Pr en nes and Labor TRIEFEL, H Determination of the \te of Human 616 Embry 0 SCHUTZ W Icterus Neonatorum 616 Conorrheeal Onhthalmia Neo atorum 616 Its Prophy Lixis and Tre tment VOLUMEROF W Is It Public to Distinguish Maternal nd Fortal Bloods by the 'e er Methods

DEFESSE F C uses Which Prevent W men from VIIII PARENAGO F V Placent Retained in the Abdomen Long Time after Lat a Lterne Pres BARCY WINTER G Sen Scance and Tre tra. t f Re-

tained Fragme to of Placenta 657 termes L The Covalge Pel is, from th Obstet 657 rical Point of \ iew UNTHOPP Effect of Ptustn th. Uterus Vitro 648

¥1£

66

668

658

GENITO URINARY SURGERY

Kidney and Ureter GROVE E II 1 Vers us Sympt min Case f **∖** phnus TALER A P Urmary Calcult Value of the VR y in Their Diagnosia GRANT II II The Ma agement of \cohrolithusus 6to SCHUDECKER C B The Post Operat e Treatme t of Conary Lithians BUTTERE L. Penrenal Hydronephrous Pseudo o Subcapeular IIs drogenhrous LOLORS AND F M Renal Sarcoma of Inf per 66 ENSURE THE D > The Clusical A pects of Renal I fection P ACOCA A II | Study of Twenty Cases of Renal Tuberculosa DEAD RIC W H The Tests of Renal Function KEE E F C and PANCOAST H & The Present St tus of Pyclography 66 FERGLEON S W Prel tas in lot no

WOOLSEY G Some Problems in the Surgery of the 662 Kidney ZOYDER H Experiments the Decarpulates of the Kidney in Rabbits with Bichloride Nephritis 663 GUERRY L. Insurv of the Vena Cava Dunner Vephrectomy BUILER F A TER F A A Case of Primary Carcinoma of the Ureter with Sciatica Bladder Urethra and Penus Prix J B Perforation of the Bladder from Chronic

PERSONA W J Chronic Paclitic

Ulceration with Secondary Appendicates Genital Organs CORNER E M Further E persences of the Tre t ment of Insperieutly Descended Testicles Lyperon C F Tra plantatio of Testicle from the D ad to the La ung Body

SURGERY OF THE EYE AND EAR

W W Oohthalmia Neonatorum 666 HOLL W. T B Peripheral Pigmentation of the Corne Associated with hymptoms Simulating HAR ES (\ C ergent Squa t and Its Tre tment

Εv

II P The Orbital Approa b to the nous 51 to

Rer Co T C VI Bacterins in the Treatment of Disuses of the Ear L T S II How the Patient Ca Help Hamself in Case of Chronic C tarthal Ot the Viedia W 1805 W T U usual Cases of Wastouditis ap Childre

koperze. S \ Case of Latent Mastosditis Com-plicated by Tour and Irritati e Cerebral Symp-toms \ \ \text{ccompanied b} \ \ \text{Blandness and a Streptococcermia Caused by Trauma DA IGES E Diffuse Serous Labyrunthitis Complicating Acute Purulent Otitis Media

Bur utta, J F Tw Cases of S rooms of the Dura Mater true g in the \ icinity of the \fastoid Proes with \ gue Symptoms Simulating Mastoid

BEAL A A Case of Ca ernous S nus Thrombosis Complicating Suppurate Labyrenthitis I GERSOL J VI Temporo-phenoidal Absorbes

Secondary to Chronic Suppurat Ot tis Media McBaan G M Vanations of Sphenoid Sinus Disease 669 BRAISLIN W C F rther Remark n the Use I Atrat of Sil er Applied w thin the Mouth of the Lustachian T he lor the Rehef of Tinnitus.

SLEGER O THE SPIN L COLLIN

SLEGGERY OF THE N 1 LS S TEM

SCREEN OF THE ! I ASC! IF DALLS

Coap

63

63

SURGERY OF THE NOSE THROAT AND MOUTH

Throat

It alls if Amophary or I My ovar, m best		Hire has a W \ \ot the ul but the Lings		
co .	6 0	Ly Of R C New Technique for the B moval -	ď	
Longor O. 1 The Lee of a Section of the		Day I D The Importance of Very Thoroug		
Scapula in Corn tion 4 \said Determ	•	I minet in the Importance of Very Labroug	3	
n court don't de desta Delocate		s tollarely 5 floresterinialed		
-				
BIBL	100	GRAPHY		
GENERAL SURGERY		MINCELLALING		
ber ich Tech fors		Cloud I they-Turon, the is thereses, etc.	: 651	
		era, I cones and I ments	68	
Of 1sts Surgery and Technique Surpt and Uniterptic Surp 17	671	likod	CE:	
Justified on Autoclasic Start 1)	6 I	Blood and Lymph I reads	68	
Surpost Instrume t and Impurat	671	Pulsone	103	
parfore sthittens t beet change	0/1	Sun scal Th repeutes	68 ₃	
Street or the lieu con he r		I lectrology	681	
11 ad	622	Military ad ha I Surgers	654	
2007	67			
1144	٠,	GYNECOLOGY		
SLEGGER OF THE CLAST		Lterus	151	
Chris Wall and Breast	63	Idaezal a d Panutetta Conditions	685	
Traches and Lures	624	F temal Gen talu	685	
Il it and Laucedur best m	37	Micritaneous	68	
Pharyay ad (Fundagus	674	ORSTETRICS		
			636	
PLECES OF ILE PROME		Prigrater and It Complications	656	
the law tended!	674	Labor and Its Complications	687	
Gastro-I t t nal Tract	673	Purpers in and Its Complications Vi extlaneous	687	
I Panen and Sphen	677	A seminor	147	
Mastellaneous	673	GENITO-URINARY SURGERY		
SLEGERY OF THE PARTIES		Audoes and Little	688	
Duesses I Bones Jounts M selen Fenden		I halder Leethen and I em	68g	
General Conditions Commonly I ound in the		Gental Organi	690	
Extremises	6.5	N accipations	690	
Fra t res ad Disloc t uns	670	SURGERY OF THE EYE AND EAR		
Surgery of the Bones J unto etc	679		600	
Orthopedia Gen ral	630	5	2	

SURGERY OF THE NOSE, THROAT AND

New Throat ad Mouth

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labe R 643	Li-endrath D Y 661	hadar T	~ 4 4 4.
Abderhalden L 654	L gelhorn E 655	hocher T 509 hornigal ld, H 628	Pinard A 654
ldem 653	Lucia, E des	Proceedings in the OSS	Pirami, E 644
tguillon, L 657	Lusterman G H 195	Achimann W 648	Potocks, 63
ALIGNA & A.	Eusternam G B 593	Aohn II 609	Pouche J W 616 Pon ra, C A 619
Ahlfeld F 652	Tay O J 66	Loning If 656	Pon 12. C A 620
indress if R 640	ferguson 5 W 662	Appetels 5 box	Pringle J H 624 Reder I 603
Axiord W H 98	Frach E 620	Lampe ros	Reder 1 608
Haetjer F 11, 606	Fint J 1 653	Lampe 192 Lampe C 630	Remy A 650
Hambridge W 5 609		Larriennus, G 6 o	Remy S 650
Banuter I R Ara	Podor 1 654 Fust: C S 642	La Torre & 642	Remy 3 050
Rambill 1 h 668	Front C & A.s.		Richter 33 640
Barnhill J F 668 Barne C 6 8	Fonler II II 666	Lestsch, 1 655	Runderspacker K 500
Beck C for	Frances 1 644	Lejure, 1 638	Rosen tem 645
	Evador) 2 off	Lemant, H 630	Satterlee II 5 63
Beckin 11 653	Frans, R 654	Léon tor	Sau gr, 65
Benthin, Il 647	Fr er T R 66	Lepage, G 640	Schickele, 6 6 644
Bernard, L. 503	In berg \ H 6 Frieden ld J 606 Intedman, J C 603	Lepage, G 640 Lett H 6 7	Schiffmann, J 643
RELUXCIU K 010	Frieden ld j 606	Les 1 1 6 3	Schildecker C B 660
Berry 618	Inedman, I C 601	Li hienstaus 640	Schleidt, I son
Berthen H oc		Lieucija R L. J 6 p	Schmancke 642
Binnie I T 626	Good, R 11 304	Lothrop, O A 6 o	5 hmits, W 656
Binnie, J. F. 626 Bonola F. 589	Crant II It 6gq	Loughna F M 660	Schouler E bes
Bookman M R 6 3	f res E D see	1 14,5 11 667	
	(ray F D 607 (ray H \ 11 189	L 12, 5 11 507	bereity 639
Borchard 628	329	Lanch, I VI 665	Stead P 543 Sherman, H 31 6 1
Brackett L G 6 9	Greig B M 6 4 Groy I 11 659	Lanch, I VI 652	Sherman, 11 31 6 1
B July 11 C 669	Pitol 1 11 020	Linch R C 600	Shropshert L. L. 64t
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INTERNATIONAL ABSTRACT OF SURGERY

DECEVIBER 1014

COLLECTIVE REVIEW

THE X RAY INVESTIGATION OF THE COLON

A REVIEW OF SOME RECENT LITERATURE

By JAMES T CASE M D BATTLE CREEK, MICHIGAN
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NOR more than a decade the rontgen examination of the œsophagus and stomach has been extensively carried out in all the large claims of Europe and during the last half of this period in the large American claims. Plable was probably the first in this country, to undertake extensive bismuth studies. The in vestigation of the colon by means of the V ray is somewhat more recent however and only within the last two or three years has it been earned out with anything like the precision now attending the rontgen examination of the stomach.

The earlier studies of both the stomach and bowel were begun at a time when the question and possess of the abdominal viscera was recurring special attention. Hence the earlier gastrontestinal \(^1\) ray studies were carried on with special reference to form and position a circumstance which undoubtedly led the medical profession to attach undoe unportance to the form

and position of the colon

With increasing experience the morphological factors have shrunk in importance while the problems relating to the functional behavior of the alimentary tract have assumed greater significance. Of all the anous facts which can be learned about the stomath or bowel hy routgen examination the question of ptoss, at least in the opinion of the writer is the last one thought of and the one given the least consideration. In other words ptoss is looked upon as a symptom

rather than a causative factor although it is con-

ceded that in certain cases the plosis, although nt first a symptom may later become part of a vi cious circle and thus assume importance as a causative factor The technique of the \ ray examination of the colon has been so far perfected that, with an accuracy that is almost uncanny it is now possible to locate the adhesions and mem branous attachments, most of which bear the name of some special surgical investigator and yet even here the \ ray examination serves a rouch more valuable purpose in ascertaining the degree of interference with bowel function than in merely locating the position of adhesise bands As Skinner (x) has stated the stomach and colon are not chemical retorts, but functioning motile organs, and the position of the gastro-intestinal tube does not so much concern us, as its func tions do

Physiology of the colou (2) The untroduction of the rontgen method especially the a voil. of Canion which was curried nut largely on an imals, has thrown much light on the periodic of the colon. The writer sobservations in man have almost to the munutest detail confirmed the work of Canion on animals especially in regard to autiperstallass. Canion showed that the prevailing movement in the province of waves back hard toward the execum. These antiperstall its wases do not run continuously for a long time but periodically although a series of waves at the rate of perhaps fix a munite can be seen con

58x

tinoing for four or five minutes. The distal colon has as its characteristic activity an onward move ment several kind having been described. Haustral churning is occurring constantis in the distal colon serving to keep the material in this region thoroughly mired with the directive fluids This haustral churning, or segmentation is analogous to the segmentation which occurs so the small intestine Other movements of the bowel are the large pendulum movements of Rieder (3) consi ting of a considerable dislocation turning and winding of those portions of the colon which have a long mesocolon all of which occurs without any actual tran portation of the contents of the bouck There snakehite di locatory movements occur in everybody in various degrees and with varying frequency

It is probable that the principal propulsive movement in the colon serving to move the bowel content from the proumal colon unto an I through the distal colon is the mass mostment first described by Holzknecht (4) This is a most striking phenomenon and when once seen can never be lorgotten. The bowel contents suddenly lose their haustral markings and are formed into an ovoid sausage-shaped mass with perfectly smooth edges, and rounded at the ends. This mass travels at about twice the rate of peristaltic waves in the tomach the distance traveled varying with the circum tance in the mass comes to rest, the haustral indentations reappear quirkly if the bowel content be semified more slowly if the bowel content is of firmer con sistency It is estimated that these mass movements occur about ix times daily studies on this may movement have been reported by Barclay Hertz, and Jordan and by the writer Belore the introduction of the horizontal fluoroscope these large colon movements were rarely observed Holyknecht (4) in 1000, re norted two cases I rechl an I lorges (5) in 1917 two cases Barclay (6) in 1912 two cases Schwarz (2) in roll two cases and the writer (7) m 1913 reported thirty seven cases in which this mass movement had been observed recent times, however e pecially since the horisontal fluoro-cope has come to be more exten anely employed this type of ogward penstalus has come to be recognized a being very common Heriz and Barelay have both informed the water that they now see the form of per tals froquently

The filing of the stomach and the movements of the colon by respiration are important factors in the shifting of the contents of the colon. The surfer a statement (7) that the content of the

colon can be bilited very little, if any by palastion is confirmed by the observations of Schailtion is confirmed by the observations of Schail-(a) who declares that even with string pressure its not possible to lift the content of the accusaing colon into the tran verse. The same holding colon muto the tran verse. The same holdtime of the distal portion of the colon. In left cases only was Grocele (8) able to affect a nonment of the contents of the colon for short distances with a vibration in full action. The well exceptible of the colon for short distances with a vibration in full action. The well recognized fact or colonies of the same and mechanical vibration must therefore be produced indirectly by uncreasing the tone of the bowd inside rather than by any artist mechanical ressure of the bowd contents onward.

largous authorities have constructed tables showing the rate of passage of the barrum meal through the alimentary tract. Summarizing these observations, we may conclude that lot lowing a meal in which barrum sulphate constitutes the opaque substance the tomach should be empty within four and one-half hours the head of the barrum column having reached the creum at that tume The entire barrum meal should have passed into the colon by the righth hour or at most the tenth hour at which observation the head of the barium column should have reached the middle of the transvene colon. The head of the barrum column should reach the descending culon from nine to sixteen hours following the angestion of the meal and the colon should be practically empty of barrum at the thirty sixth hour to purgatives should be given on the day immediately preceding the examination barrum meal should be sub tituted for one of the ordinary m als so that the rhy thm of meals will not be disturbed

not be distinued.

Technique The contrast material may be introduced into the culon either in connection with a meal of the culon either in connection with a meal of the culon following the meal as being more fidely to give accurate information consumption of the barum enema for those cases in a linth there is a quit tone of gross obstruction (caranoms tumors, adheson bands, etc.) and for testing the function of the decode value following the barum meal the studies of the culon may be carried out at the minth twenty-such, thirty second and fifthith hour.

Others price the barum enema after the meth-

od of Haenisch (g) The Haenisch enema conusts of mater one liter bolus alba 300 grams besouth carbonate 75 grams, and water aufficient to make one liter

The writer a formula (10) is as follows To 21/2 dr of gum tragacanth add about 1 oz of alcohol. Shake well 4dd oo oz, of warm water and shake. Add 3 oz, of barium sulphate then 20 oz of water shaking well each time. This mix ture should be made up fresh shortly before using

Holzknecht and Singer (11) give the following formulæ (a) Barrum sulphate elysma To one liter of boiling water a suspension of two soupspoonfuls of finest potato starch in three-fourths of a liter of cold water is added and after being boiled again 160 grams of barrum sulphate and one-quarter liter of bot water 1 stirred with it. The mixture is then boiled for five minutes and cooled off to 112° I This mixture can be preserved in the icebox several days (b) The bismuth elysma To one liter of boiling water a suspen sion of two tablespoonfuls of finest potato starch in a quarter of a liter of cold water is added. This is boiled again for five minutes and 120 grams of bismuth carbonate stirred in three fourths of a hter of cold water is added to it without boiling again

Jaugeas and Friedel (12) recommend a paste especially for the in estigation of the rectum and agmost. The paste consists of a muture of vascine and oil in equal parts to which barrow sulphate or bismuth carbonate is carefully in corporated in equal parts. This preparation can be spected with a synage. The quantity of the injection varies with the importance of the segment to be explored. A list usually suffices to

reach the splenic flexure

The technique prescribed by Haenisch for the injection of the colon under fluoroscopic control has not been materially improved by any of the more recent writers Before the injection it is important that the bowel shall have been cleared out very thoroughly by means of appropriate lavatives or by thorough enemas or both The patient lying summe upon the trochoscope the barrum su pension is placed in a container two or three feet above the patient, and is allowed to flow by means of gravity through an ordinary enema tube and rectal point into the bowel A colon tube is quite unnecessary a rectal point passed two or three inches into the bowel being sufficient. The temperature of the clysma should be roo F The progress of the clysma should be watched inch by inch as it ascends the colon A pause in its progress may be caused by a kink in the rubber tubing or a clogging in the tube. At opportune moments during the inflow of the elysma manipulation under the screen may elucidate special points. Harmsch advises, after the examination that the container from which the rojection has been made be lowered and the enema allowed to return by gravity The emptying of

the colon is also watched under the fluorescent screen and additional toformation may thus be obtained as to the exact site of an obstruction

In discussing the advantage of this direct rontgenoscopic observation of the opaque clysma over the observation of the opaque elysma over the observation of the enema after it has been injected Haemisch (rs) insists that it is just the observation of the filling of the colon in all its stages which permits one to recognize abnormal condutions of intestinal caliber with the greatest accuracy

Stereorontgenography of the alimentary tract has been extensively utilized by many workers. This method has especial value in the study of the

colon particularly the pelvic colon

Colonic adhesions Pers (r4) of Copenhagen claims to be the first to describe a technique for the detection of colonic adhesions. It is certain bowever that many others have already used the method which he describes It was employed by Pfahler at least two years before Pers publica tion Pers called attention to the fact that the most common causes of adhesions of the colon are (x) ulcerous disease of the colon (2) inflamma tory disease of the colon or other organs of the abdomen (3) trauma of the perstoneum from operations (4) the adhesions due to modern firstion operations Although in some cases the adhesions cause no symptoms they often an nounce themselves by pain and obstruction Patients with colonic adhesions are much to be pitied because the adhesions are often not recog nized While the history may point out the probable diagnosis, there is much uncertainty and we now know especially through the work of Eastman Hertzler Jackson and others that extensive bowel adhesions may occur as the result of chronic intestinal stasis, without any history of a definite inflammatory process

With rontgenography and especially rontgen corp, we are now able to determine whether the bowel is adherent to its surroundings the site of the possible adhesions, and if operation for relief of adhesions is done to ascertain bou far the operation is able to restore the motity of the intestine. The most common site of periodone adhesions is a will be restored later in the like and pelvic colon especially about the slice-pelvic junction.

It is important to emphasize here the necessity for proper protection during screen examination Both Plahler (15) and the writer (16) have published warmings against the careless use of the ray in fluoroscopie work. The tulie holders must be very carefully protected with lead or an equivalent thickoess of other X my protective material. The time of exposure of the patient during fluoroscopic examinations is likely to be unusually prolonged beyond the danger hunthence the greatest care should be everased to avoid over raying of the patient. As Stanton has recently remarked iew routgenologists knowhow to use the foot-switch, intuitating that continuous illumination of the screen is usually unnecessary although often practiced.

One of the most important advantages of the fluoroscopic method in the study of the colon is the possibility of guided palpation under the fluorescent screen This may be accomplished by the protected hand or prejerably with some palpatorium not opaque to the 1 ray Among the chief purposes of this palpation under the fluorescent screen are the determination of mobibty the relation of various shadows and the identification of points of pain on pressure in relation to the bismuth shadons Whether or not loops of bonel can be easily separated the mobility of the excum the appendix the transverse colon, the pylorus, and the descending colon are all points which may be studied by the ard of the palpatonum almost as well as by manual palpation. Only those who have experienced the satisfaction of palpating the bismuth filled stomach and bonel under the fluoroscopie screen can fully appreciate visualized abdomioal palpa tion under fluoroscopic guidance but unless the createst caution is observed to insure adequate protection in rontgenoscome work great suffering and even loss of life may result from the wa e of enthusiasm for fluoroscopic work which is now sweeping over this country

Constitution The rootgen study of constitue tion and its causes has led to a number of class fications The classification of constipution by Schwarz (s) considers the hypolinetic and dishinetic forms In the former there is a lack of muscular tone and motor stimuli in the latter there is excessive mobility and antipenstalsis to a marked degree. The water finds that it is in these cases that deocracal valve incompetency occurs most frequently the pastic constipation and increased antiperistalsis resulting in over distention of the cacum which is directly the cause of the sleocolic valve incompetency marked spasticity of the bonel in these cases causes the totestinal content to be seen as small isolated masses Hertz has added the term dyschezia for those cases where the colon is found to be cormally active the food passing through it and reaching the rectum in the oormal time the delay being due to an abnormally distended

ampulla with blunting of the defectiory refer There may also be cases of congenital dyschetia dependent upon some defect in the muscle sense of the rectum

It seems to the writer that some of the case of so-called dysteries are really due to adheson of the pelvic color especially adheson of the pelvic color especially adheson of the pelvic color especially adheson or the pelvic color dumps of the pelvic color dump defeation. In the writer so punion the cause of creating that it is to be found, in the majority of cases, in the color below the crest of the left shum that is in the pelvic color and rectum, the marked spatiently of this portion of the boad being found almost im anably associated with adhesions.

Industrial tumors. The rontgest diagnosis of intera-theoremal tumors by recognition of the resulting dialocation of the colon was first described by Stlerin (17). Stoce them a number of others have utilized thus method of diagnosis. The abdominal origins are not well adopted for durct rontgen reproduction. The same is true of inter abdominal neoplasms, tumors, and abscresses back from the hire the quient and the larger subhepatic and subphreuse abscresses, the abdominal viscers are not easily visualized. The intestines may be filled with my absorbing substances or with gas Certain hollow organs, as the bladder and hidneys, have been filled with rollarged.

collargo! Certain groups of intra-abdominal neoplasms may be studied however by their dislocation of the colon. This method is useful only for those tumors which are in the immediate neighborhood of the colon. particularly tuntors of the luthery concernes, near petroperional.

of the colon particularly tumors of the kidney panereas, psoas absersars, and retropentoneal surcomata Tumors of the Lidney tend to dislocate the colon toward the midline Tumors of the spiten usually occur in front of the colon without displacing it Tumors of the panerus and retropentones! surcomata usually dislocate the transverse colon downward Psous and that abscesses are shown by typical median dislocation of the execum and ascending color. In large uterme tumors, the pelvic colon is compressed while the cocum and ascending and par ticularly the traosierse colon are hited unward Io oversen cysts the dislocation of the pelvic colon is not characteristic Vione (18) records an unitance of a sarcome of the left kidney which could be located by the appearance of a mass between the spinal column and the coloo biled with besmuth

Records tubercules In 1912 Stierho (19)

nation a new diagnostic method for the recogni tion of even the early stages of ileocæcal tuber culo is. Schwarz (2) has recently voiced his unqualified approval of Stierlin's sign Nor mails it never bappens that the sleum and also the transverse colon contain hismuth while the carcum and ascending colon are empty vacancy in the shadow is not especially caused by the anatomical process but hy a hyperæsthesia of the excited mucosa so that the colon does not permit the necumulation of the faces, but frees itself promptly from it hy visible contractions Chronic ulcerative tuberculous may occur in various portions of the colon but it is usually combined with more or less severe strictures The-e strictures may be ring-shaped or may affect larger portions of the bowel which have the shape of a tube. The fung is usually involved in these cases

Colins Catarrhal inflammation of the colon may be profitably studied by means of the \ \text{ray} not \cdot on much to demonstrate the prevence of the coluts as to show the portion of the bowel in colved. Sometimes the pasticity attending the colin involves the entire colon more often it is localized to certain segments, as shown by the \ \text{ray}. Following the harum meal the spasticity of the bowel is shown by the isolated scyballous masses scattered throughout the segments Following the harum injection the pasticity is manifested by n narrowing of the smooth-edged shadou of the affected portion of the bowel standous of the affected portion of the bowel standous of the affected portion of the bowel standous of the affected portion of the bowel.

Kienhock (20) cites Sterijin s statement that in ulcerative colitis the diseased portion of the bowel is always free from large quantities of barrous and shows only a few long than lines the border lines of the intestine are parallel without the haustral markings and they enclose between them a very clear area which has an increased gas content. Schwarz and Jon sacrolls report similar finding All of these authors regard the conditions as within a small residue, remaining appropriation of the intestinal wall in long drawn out lines kembock report in letal three classes of alcera the coluties — two with tuberculoses and one with dy-entery

In his conclu ions he mention the frequency of insufficiency of the ilecoxical all e in these cases. The has already but referred to hy the writer. In eases of mucous colute one may occasionally actually show strings of mucou in the bowel thanks to the oraque sait which seems to find.

lodging in the twisted mucous shreds

Appendix Among the earliest studies are
those of Holzknecht Fittig and Weisdon and

Jordan (21) A paper by the writer (22) in 1912 was the first American contribution to the roat genology of the appendax. Since then there have been studies by George (23) Quimby (24) and Imboden (24) and by Raeder (69) Schwarz (27) Groedel (68) Cohn and Grigoryeff (29) and others in Europe. The general conclusion is that the normal appendix may fill with harmon following the ingestion of a harmon meal and occasionally following the injection of a harmon for harmon the presence or absence of adhesions or lanks, or in olivement of neighboring viscera, and the relation between points of pain on presure and the appendical shandow may be judged

The question of dramage seems to be most important. If the appendix fills and empires itself at is not falsely that the filling has any pathological agmificance. On the other hand a pondy dramed appendix possesses a potency for danger in proportion to the length of time it requires for remptying. Nether the acutely in flamed appendix nor the obliterated appendix can be shown following the harium meal. However the conclusion is not warranted that the appendix is obliterated because it does not show in the rontgenogram. The appendix may lim retrocacal in such a makiner as to escape discovery, even under the most careful fluoroscopic manipulation.

Dietlen (30) has described insufficiency of thin ileocracia value as an important symptom of chronic perityphilits. This view is shared by a number of other European investigators. It seems, however that chronic perityphilits is only one of the conditions with a high ideocracia value.

incompetency is associated

Heocile twist intifficiency In 1807 Max
Heriz of Vienna while performing abdominal
massage on a patient for colle hie pains in the
sleocital region observed peculiar symptoms
which he rould not explain otherwise than by the
supposition that the cancinos of the accum might
he pressed backward "After further studies on
patients as well as anatomical examinations he
described a symptom complex of insufficiency of
the illocated) val we hich could chinacily be found
only in such patients as had disturbance pointing
to the bowel such as constitution indominal

Schwarz (2) makes the statement that these findings remained unnoticed or unbelieved under the findings remained unnoticed or unbelieved under the case in 1921 first demonstrated rontgenograms showing the retrograde filling of the ileum after the baruou nijama In fact the writer first called attention to this rontgen finding in 1909—

pauns, and sometimes dearrhora

1910. Hamsch Holzknecht and Singer and Groedel soon confirmed these findings Further articles have appeared on the subject by Dietlen (30) Rieder (3) Kellogg (31) Latsch (32) and

the writer (33)

Insufficiency of the illocrecal valve is best demonstrated by the retrograde filling of the terminal ileum by means of the barrum enems following the evacuation of the barrum enema by spontaneous defecation Examination of the competency of the deocecal valve by means of the barrum meal is unsatisfactory although the writer has reported a series of more than sixty cases in which there was a reflux of ingested food from the cacum back into the ileum

The chief result of the incompetency is a proiongation of the emptying time of the ileum fol lowing the barrum meal although occasional case will be found in which iteal stass in due to stenosis of the valve or to kinks of the terminal ileum Nevertheless in the great majority of cases, in the opinion of Greedel (34) hellogg Schwarz, fordan (35) the writer (33) and others, the increased stasts in the ileum is one of the direct

results of eleocarcal valve incompetency In establishing the presence of insufficiency of the ileocacul valve Schwarz (2) uses irreposcopy taking care that only one liter of fluid is used and that the irrigator is introduced only moder ately high Senn shows that even a normal valve may become insufficient by overdistention of the valve and that any massaging maneuvers in the tleoczecal region are to be avoided. In order to make certain that the test will be absolute the writer has on the contrary advised massaging maneuvers over the ascending colon in the antipenstaltic direction and the introduction of a sufficient quantity of the enema to make certain that the carrun has been distended. Otherwise occasionally an incompetency of the ileocarcal take will be overlooked during the rontgen examination and he revealed later at operation

The unter (33) hold that the insufficiency of the deocecal value ; a symptom dependent upon obstruction lower in the bonel and is not a disease in itself Kellogg (31) Schwarz (3) Groedel (4) Dietlen (30) and others are of the same opinion The true cause of iosufficiency of the ilencarcal at e is the abnormal lack of tone of the structures which make up the rake chronic overdistention of the right half of the colon particularly the cecum as the result of which the loosening of the connective tissue is oute natural. This distention of the right half of the colon is usually the result of chronic obstruction of the colon due either to adhesions of

the pelvic colon or to severe colitis with spasticity both of which conditions lead to increased antipenstals and distention of the cecum There conditions lead to stass and chronic changes in the appendix This observation led some European observers particularly Groedel and Dietlen to believe that there was a direct con action between insufficiency of the ileocacil valve and chronie pentyphlitis

The writer (7) found insufficiency of the alcocarcal valve in one-mith of bitteen hundred cases of constipation Dietlen (30) found twenty two cases out of one hundred Surger and Holzknecht (st) found three out of fifteen It seems that the percentage of cases of con tipu tion presenting ileocarcal valve incompetency is

nearly constant for different observers. At the 1914 meeting of the American Medical Association (Section on Physiology and Pathology) the noter tabulated a senes of tache undings, most of them rontgenologic which seemed to in dicate beyond a doubt that the decercal valve is normally competent protecting the ileum from a reflux of carcal contents. The first of these arguments is the observation first made by Common that the prevailing movement in the nght half of the colon is antiperstales

It is hoped that others will take up the tudy of this question expectably in children to ettle score of the questions which are not yet conceded

by the surgeous

Mobile stonic current This condition lift described by Wilms has been the subject of considerable study and no little controvers William, several) care ago gave up his operation for mung the mobile carcum There is not sufficient space here to review all of the literature of the phase of the subject Suffice it to say that much less importance is non being attached to the mobile atomic Gecum the general consensus of opinion being that it is the fixed adherent bouel rather than the mobile bonel which is the seat of stone and the source of symptoms

Ibnormal position f the colon Congenital failure of the colon to rotate has been report d from the Mayo Chrac by Stierlin de Querrain and several others Hertz has reported one cave of complete transportion of the recta The unter has seen one case Doubtle, there ha e been many unreported cases m which the routgen examination has been utilized to demon trate

(in anomaly

Aberrancy of the sigmoid he been a parallis described by Pfahler Special attention ha been in on the study of the pel ie culon by Plahler Jaugens (12) and George nl Gerber (16)

Aberrancy of the sigmoid is not especially abnormal except through the enormous gas accumulations which are sometimes permitted Pfahler shows that these gas accumulations may cause temporary obstruction by pressure against other

loops of bowel Adhesions of the pelvic colon especially about the hiopelvic junction are more likely to be the real cause of constipation and resulting gas formation in these cases. The work of Eastman and others shows that evensive membranilorm and others shows that evensive membranilorm and others shows that evensive membranilorm and others shows the eventual trom eviteme coprostates with out any visible constriction of the intestinal walls OI course these adhesions may also result from salpingits and other forms of urntation of the pel vice pertoneum.

The method of Jaugeas (12) is especially valuable in recaling abnormalities of the policion it is often extremely difficult to different tate between the deformity of the colon resulting from extensive sigmoidal adhesions and the filling

delects attending carcinoma

Careinoma of the colon Schwarz (2) divides
carcinoma of the colon into several classes

2 Carcinoma with high grade stasis 2 Carcinoma without stagnation of the con

tents of the colon

In the first group the patients present typical symptoms of chronic ileus. The abdomen is stress and expanded from the inflated bowed. The routgen examination is indicated because the intermist or the surgeon is not able to decide whether the obstacle belongs to the small or to the large untestine a question upon the destine of which the manner and point of operative interference is considerably unfluenced.

It is probably wise to begin the examination in such cases with a barrum enuma following it later if necessary by the ordinary barium meal. When the lesson is thought to be in the colon the enema is likely to give the earliest information writer (37) has shown that e en without the ad ministration of barium it is possible in most cases, to locate the site of the obstruction thanks to the gas distintion of the bowel almost univer sally present in these cases. If the central por tion of the ab lominal shadow is gas-distended showing the peculiar retigulated appearance characteristic of the small intestine it is likely that the obstruction 1 not in the colon but in the lower portion of the small intestine If the carcum and ascending colon are gas-di tended it is almost certain that the obstruction is in the colon and not in the small intestine

In cases of oh truction beyond the hepatic flexure the calcum and ascending colon may form an extremely dilated sack the thickness of a man a ram hanging low down into the pelvis. The content of the sack is usually fluid and is easily recognized by its horizontal level seen with the patient standing which becomes undulating when the patient is shaken. Above this fluid level there is usually a high grade gas-inflation of the hepathe fiscure interfaced with haustral lines. In the middle of the tran verse colon there may be another accumulation of the liquid seen only with the patient standing. When the obstruction is in the pelvic colon there may also be fluid levels at various points in the descending colon.

Except in the presence of stenosis the colon can never contain such quantities of fluid. In cases of catarrh or where there is liquelaction of the sects in the colon this liquids are soon emptied. Sationary spaces filled with fluid and gas are found only in stenosis according to Schwarz.

Aptiperistalsis alternating with onward pen stales, can be seen in the colon proumal to the lesion associated with borborygmi. The liquefaction of the content of the colon can only be determined when the patient is examined in the upright position Il the patient is so weak that he can not stand and it is necessary that the examination be made on the horizontal fluoroscope a correct diagnosis can be made from the prominent and sometimes really severe distention of the colon Even in this position lateral studies with the tube on one side and the screen on the other with the patient flat upon his back may serve to demonstrate fluid levels surmounted by gas accumulations Severe constant meteor ism of the colon i a constant finding in organic colonic obstruction although not pathognomonic of malignant obstruction

In carcinoma of the large bowel without stag nation of the content of the colon the following may be stated as a summary of the findings (38)

s Panggeration of colonic antiperistaliss given the appearance of pensialite unrest (Case) to the barium content above the site of the lesion with arrest or hindrance in the on ward progress of ingested barium.

2 Arrest or noticeable hindrance in the ascent of the bar uncolumn when gaving the barmin enema 3 Concidenco of a palpable tumor with a point of hindrance to the barium meal or barmin enema 4 A falling delect in the shadow of the barium

filled colon Frequently the filling delect is digitated indicating a couliflower growth \t times it may be annular so that one may diagnose an annular caremona. 1910 Hznusch Holzknecht and Singer and Groedel som confirmed these findings Further articles have appeared on the subject by Dietlen (30) Rieder (3) Kellogg (31) Katsch (32) and the writer (13)

Insufficiency of the sleocecal value as best described in the state of the terminal stum by means of the barnum enema following the execution of the barnum enema following the execution of the barnum enema following the execution of the competency of the sleocecal value by means of the barnum meal is unsatisfactory although the writer has reported a series of more than surjourness of the state of the stat

from the cacum back into the ileum

The chef result of the meompetency is a prolongation of the emptying time of the item following the banium meal although occasional cases will be found in which telest states is due to stream of the valve or to links of the terminal deum Nevertheless, in the great majority of cases, in the opinion of Groedel (34) kellog Schwarz, Jordan (35) the writer (32) and others the increased state in the item is one of the direct results of incorcal valve incompetency.

In establishing the presence of insufficiency of the ileocacal valve Schwarz (2) uses irrigoscopy taking care that only one liter of fluid is used and that the imgator is introduced only moder stely high. Senn shows that even a normal valve. may become insufficient by overdistention of the valve and that any massaging maneuvers in the tleocarcal region are to be avoided. In order to make certain that the test will be absolute the writer has, on the contrary advised massaging maneus ers over the ascending colon in the antiperistaltie direction and the introduction of a sufficient quantity of the enema to make certain that the cacum has been distended. Otherwise occasionally ao incompetency of the ileocarcal valve will be overlooked during the contgen examination and be revealed later at operation

The water (33) holds that the insufficiency of the theoreca's value is a symptom dependent upon obstruction lower to the bowd and i not a disease in tistelf Kellogg (31) Schwarz (2) Groedel (34) Diethen (30) and others are of the same opinion. The true cause of insufficiency of the theorecal value is the abnormal fact, of time of the structures which make up the value—chronic overdistantion of the right half of the colon particularly the execution as the result of which the loosening of the connecte usue in quite natural. The disturbing of the colon to the right half of the colon is usually the result of chronic obstruction of the colon to the right half of the colon is usually the result of chronic obstruction of the colon does the time of the colon does the true of abnormal time.

the pelvic colon or to severe colitis with spanicily both of which conditions lead to increased sainperistalise and distention of the carcum. Three conditions lead to stass and chronic changes in the appendix. This observation led once European observers particularly Grocell and Dietlem to believe that there was a direct con nection between jourdifferency of the ileocacal value and chonen perityphlitis.

The writer (7) found insufficiency of the illegocacil valve in one-sixth of lifteen hundred cases of constipation Dietlen (30) found twenty two cases out of one hundred. Sunger and Holzlaneth (17) found three out of fifteen it seems that the percentage of cases of constiputon pre-enting elocacied valve monoportune, is

nearly constant for different observers.
At the 1914 meeting of the American Medical
association (Section on Physiology and Pathology)

the writer tabulated a series of twelve had agmost of them rontgenologo, which seemed not dicate beyond a doubt that the eleocecal value is normally competent protecting the eleum from a refluy of excal contents. The first of these arguments is the observation first made b Cannon that the prevailing movement in the right half of the colon is arthurestiable.

nght hall of the colon is antiperistalise.

It is hoped that others will take up the study of
this question especially in children to with
some of the questions which are not yet concoled.

the read post of the colon Congent to failure of the colon to rotate has been reported from the Mayo Clinic by Sterlin de Quirvain and see real others. Herix has reported in case of complete tran position of the veera. The write has seen one case. Doublites the laws been many unreported cases a which the outgen examination has been utilized to dem in trate this anomaly

Aberrancy of the agmost has be n e-pecially described by Pfahler Special attent on has been given the study of the pelvic colon by 19 hl r plaugeas (12) and Georg and Gerher 401

Aberrancy of the sigmoid is not especially abnormal except through the enormous gas accu mulations which are sometimes permitted Pfah ler shows that these gas accumulations may cause temporary obstruction by pressure against other loops of bowel

Adhesions of the pelvic colon especially about the shopelvic junction are more likely to be the real cause of constipation and resulting gas forma tion in these cases. The work of Eastman and others shows that extensive membraniform ad hesions may result from extreme coprostasis with out any visible construction of the intestinal walls Of course these adhesions may also result from salpingitis and other forms of irritation of the pel vie peritoneum

The method of Jaugens (12) is especially valu able in revealing abnormabiles of the pelvic colon It is often extremely difficult to differen trate between the deformity of the colon resulting from extensive sigmoidal adhesions and the niling

defects attending carcinoma

Carcinoma of the colon Schwarz (2) divides carcinoma of the colon into several classes

z Carcinoma with high grade stasis

2 Carcinoma without tagnation of the contents of the colon

In the first group the patients present typical symptoms of chronic ileus The abdomen to tense and expanded from the inflated bowel. The rontgen examination is indicated because the internist or the surgeon is not able to decide whether the obstacle belongs to the small or to the large intestine a question upon the decision of which the manner and point of operative interference is considerably influenced

It is probably wise to begin the examination in such cases with a barium enema following it later if necessary by the ordinary barrum meal When the lesson is thought to be in the colon the enema. is blely to gi e the earliest information. The writer (37) ha hown that even without the ad mioistration of barium it i possible in most cases to locate the ste of the ob truction thanks to the gas detention of the bowel almost univer sally present in these case. It the central por tion of the abdominal hadow i gas-distended showing the peculiar reticulated appearance characters tic of the mall into tine it i blich that the ob truction in t in the col n but in the lower portion of the mall inte-tine If the carcum and ascending colon are ga dit nded it i almost certain that the ob truction 1 in the colon and not in the mall intestine

In cases of ob truction beyond the hapatse flexure the carcum and ascending colon may form

an extremely dilated sack, the thickness of a man s arm hanging low down into the pelvis. The content of the sack is usually fluid and is ea ily recognized by its borizontal level seen with the patient standing which becomes undu lating when the patient is shaken Above this fluid level there is usually a high grade gas-inita tion of the hepatie flexure interlaced with hau tral lines In the middle of the tran verse colon there may be another accumulation of the hourd seen only with the patient standing When the obstruction is in the pelvie colon there may also be fluid levels at various points in the descending colon

Except in the presence of stenosis the colon can never contain such quantities of illuid cases of catarrh or where there t liquefaction of the faces in the colon these bounds are soon emptied Stationary spaces filled with iluid and gas are found only in stenosis according to

Schwara

Antiperistalsi alternating with onward puri stales can be seen in the colon proximal to the lesson associated with borbory gmi The liquefaction of the content of the colon can only be determined when the patient is examined in the upnght position If the patient is so weak that he can not stand and it is necessary that the examination be made on the horizontal fluoroscope a correct diagnosis can be made from the prominent and sometimes really severe distention of the colon Even in this position lateral studies with the tube on one side and the screen on the other with the patient flat upon his back may serve to demonstrate fluid levels surmounted by gas accumulations. Severe constant meteor t m of the colon 1 a constant finding in organic colonie obstruction although not pathognomonic of malignant obstruction

In carcinoma of the large bowel without tag nation of the content of the colon the following may be stated as a summary of the finding (38)

I Lyaggeration of colonie antiperi tal is giv ing the appearance of peristaltie unre t (Case) to the barrum content above the site of the lesson with arrest or hindrance in the on ward progress of ingested barrum

2 Arrest or noticeable hindrance in the ascent of

the barrum columo when giving the barruin thema 3 Comerdence of a palpable tum r with a point of fundrance to the barium meal or barium cricma I filling defect in the hadow of the harring

filled colon Frequently the filling lefect : ligi tated indicating a cauliflower growth At times it may be annular so that one may diagnose an annular carcinoma.

Techistiakoff N L. t Resection of the Upper Jaw in Mulignant New Growths (Eur F ge de Reek tion d'Obe k f re bei borartig \eubildungen) tion d Obe k f rs bes bosarting 1914 x , 187 By Lentralbi I d ges th z

I Greate b

This statistical work rich les 7 eases of malig nant were growths of the upper jaw 48 of them sar comuts and 20 caremomsta from 1882-1912 Of the 77 cases, 45 of sarcome and a of carcinoma were operated nn 7 cases were inoperable. The agea of the estennouna cases 37 s per cent

ranged from 40 to 50 years the san oma eases from rn to so the most frequent point f origin of the tum is was the mucous membrane of the als olar process an I the maxillary alous, 28 5 per cent of the arcinomata and 12 5 per cent of the sar comata regulating there Micro-copical examina tion of the esrcinomata shout i rr mt lullars car conomata a glan lular a alscolar an i a squem us celle i epitheli ma

The 16 arcomata wer distributed as follow globulat celled o fibrosarcoma 8 ost ossrcoma 7 ost or I bluosarroma i mysoid (uniform celled a grant celled a my so-arcoma a cy tosarcoma a angrosarcoms i endothelial car oma i polymor phous celle ! I knong the as operations for est cinoma to were complete rest from t of them bilat eral nel 6 partis li rections Imong the secomata there were 14 compil to resections 3 of them be Isteral ad 14 partisl and I'h re was pre ed ng ligation of the carotid artery in 8 ascs D eff a bach s mets on was used in 61 jur ent of the ases hothers Webs and Langents L 1 th others

Aft rile operation and area died 15 sper cent mort lity th use of death was purulent men ingits some case embolus of the h tan fore in t and a ut name n Report of the ultimate result out I la obtaine i from nly on third of

the pat t Of the equapple reset on the further fat of rn I unin wn in 4 th r. w. recurrence afte month in r tir m nihs i (aft rio month in aft ry, ind m nihs lii after 2) ara nd 4 month

Of the ; molinectra fr im 7 dad as upon Il fri n things kno n f n in silvere was r current whi till in the hospital r di lof recurrent e alt r 4 months after a year i after 33 ats on | n month | ft | 1 ere a do are still al on aft to : raft t73 materia fir 4 b 53 per cent then ars an i n r mai | uh ut n urente more than 3 342"

h Val e I Lumbar Puncture la Rinderspach Medicolegal Judem pt of Head Injuries (I)re Beds t ng de tumbatp kinon fd die Begute h hopf ti g) losts hr & 3led t ng

014 By de traibliden Chur u. | Grenzgeh In patients who bring sun for head miuries and complain of headache atol rance f r alcohol etc

especially when there are no objective symptoms und maingenne is suspected the author recoin mends lumbar puncture in the prone position. An increase su pressure indicates an anatom cal lesion raside the skull irritation of the meninges or chronic serous meningits. \ormal pressure does not prove that there is no lesson but shows that in ceses that we re positive at first the organic changes are no longs e sercripg so irritant effect on the meninger It is important in differential diagnosis that in pure neuresthraia the lumbar pressure be normal, on the other hand it is increased on pressure taking of alcohol and often in anamia and arteriosclerosis It is emportant with reference to later examinations that the pressure of the cerebrosps al fluid should be di termined and a microscopical examinat on made of rt ammediately after a trauma of the head

GRIGHT

Dunn A D; Pitultary Disease a Clinical Study of Three Cases. In J M S 914 cd st. 4 By Surg Gyner & Obst

Dunn procuts a rhnucal atudy of three cases of privitary disease of different types. He emphasizes the value of good \ ray plates in obscure disorders of growth of saxual development and activity and in symptoms pointing in infracranial trouble. Do turbances of vasoe, migraine epileptic attacks, psychical anomalies, and trophic disorders—such as obesity infanishm import nee giganism dwarfam menstrual disjurbances without pelviexplanation - should call for an \ ray examination He annelules with a scheme of classification of

disturbances of pituitary function as follows Affections I th pars anterior

Hyperfunction - s romegaly gigantism ili polunetion - trac or p tuitary d arfism n t cho drodsstrophir rachitir or cretime dwarfs

a Affections (the para posterior

a Hyperfunction - diabetes insipidus ilypolunction — hypophysial obesity —d) -troph a adipologenitalis

Mixed affections a figurefunction of the pars ant rt with hypofunction of the para posterin - arrow gely

hypophy mal obesity Hypofunctio of both I bes - dwarfism with hypophysial obesity

4 Hypophyu I distu bance in co junci on ish pur ried act tv I oth r glands

Ovarian or i sit ular hypofunct on with Hyperfunction of the pars ant mor - acrone-

saly with sexual impot nce - eunuchoid giants s Hypofunction of the pars suterior - pastary dwarfism with sexual impotence

3 lispofunction of the para posterior - distro phia adiposogenitalia b Associat I with disturbances of the functions

I the ductless gland re adrenals, panerers, theroid pan I gland themus (status the motor phat cus) etc

ABSTRACTS OF CURRENT LITERATURE

GENERAL SURGERY

SURGICAL TECHNIOUE

ANASTHETICS

Gray H M W Discussion on the E clution of the Shockless Operation — Anoci Association. B I M J 9 4 u 349 By Surg Ginec & Obst

The author considers the subject from the clinical side only He has for many years been using local anasthesia and looks upon it as the most important meane for the prevention of pains and therefore He looks upon general anasthetics nar shock cotics and other precautionary measures merely as adjuvants in the local angesthetic and argues against needless and protracted preparation before npera tion In order to exclude external impressions dur ing immediate preparation and actual operation after receiving an inject on of minonin the pat ent s eyes are covered with lint or cotton wool pads and the ears are stopped with most cotton wool. Of the three general anaesthetics - chloroform ether and natrous oxide - he thinks the latter in skilled bands is the best but that for general use the open drop ether method is preferable. His method of using a preliminary narcotic is as follows

The night before operation a good night rest is

assured the patient by giving 5 grains of veronal at 5 P M and again at 6 P M One and one half hours before operation two-thirds of n grain of nmnopon is given with 1/150 grain scopolamine in 17 minims of water This produces an agreeable indifference to what is taking place and apprehension is removed. Gray has long ago given up spinal anæsthesia he relies on nerve blocking and local infiltration. In abdominal cases he blocks the intercostal and lum har nerves in the subcostal groove and as far back in the loin as convenient. To save time and prevent post-operative pain more certainly he infiltrates the skin and subcutaneous tissue along the line of inci-He is now using a solution of novocaine n is per cent potassium sulphate n 4 per cent and 12 drops of (synthetic) adrenatin to each mo ccm.
This was introduced by Hoffmann and Lochmann.
Gray calls it an P L solution — novocainepotassium adrenalin - \o-Pain Atter solution 80 to 12n ccm may be used. He states that in over 2,000 abdominal operations shock was present in only two — and in both cases dread of operation had dominated the patient's mind for weeks M S HEY FREDR

SURGERY OF THE HEAD AND NECK

HEAD

Bonola F Tectunque for Intraneural Insection of the Superior Manilary Ners as tha Former Rotundura (D una t. is pe leunesous curoli tube net nerso mascellare parore la lode foro grande rotondo) Bull d m d g k k 66 By Zentralbi d dge Chu Grenageb

The author asserts that the prevou by described methods of injection of the uperior ma Bary at the foramen ratundum are too difficult and uncertain and sometimes too dangeraus. These deads antages are on errome by a new method of supramilar puncture with dull injust puncture needs which has a curvature with dull injust puncture needs which has a curvature with dull control to the same and the control of the same and the control of the same and the needs are needed as inserted at the angle hetween the ascending and horizontal branches of the 15 goom as near as possible t the horizontal branch

and kept perpendicular in the horizontal branch to that the concav, yet the needle is directed upward. The needle must be carried in the same direction outil hony resistance is if lat a depth of about 3 cm. This resistance is offered by the crists sphemotiem poralis, which separates the temporal and rs geomatic poralis, which separates the temporal and rs geomatic pushing the needle down and Thou the work of pushed father in to alout 5 cm so that the end of the needle reselves the highest point of the fosts pitry grownallists and the superior manilary nerve

The only uncerta sty in the method is offered by possible nomalies of the crista but these are rare as in 500 autopases they we found only 23 times and th y 0 ly interf re with the method when there is almormal is geness of the crita. The method does not danger any important nerves or vessels.

STRAINS.

The colon is often distended by gas and gas collections are seen surging backward and for aard owing to the alternations of peristalsis and antipenstalus.

6 Warled ileal stasss when the neonlasm involves the execum deocrecal valve or the first

part of the ascending colon

The hindrance to the ascent of the barrum stream may be out of all proportion to the amount of actual obstruction. This seems hard to explain owing to the fact that in nearly all cases the ordinary meal as well as the harrum meal. when taken by mouth pass the tumor in compact as well as lo liquid condition whereas the lesion presents an almost insurmountable obstacle for the barrum enema, causing the distal por tion of the bowel to overfill producing localized pain and tenesmus.

This difference between the behavior of the lesion to injecta and ingests can be explained according to Schwarz (a) only by the theory that the tumor has adapted itself from the earliest stages to the pressure of the stools from above and that its funnel is shaped by the natural direc tion of the stools. On the other hand the enema which approaches suddenly from below instead of from above does not find the way prepared for this abnormal direction of passage and the absolute resistance is established thus giving rise to the picture of valve closure because if occurs only retrogradely (rentsfrerschluss)

The overfilling of the portion of the bowel distal to the lesion with localized pain and tenesmus, develops especially just below the point of stenosis. If the patient complains that the pain is severe the arrigation should not be forced any further Even the mere pressure from the srnga tion might cause perforation of a disintegrating

tumor One point to which attention is called by all

a riters on the subject is the necessity for repeat log the examination after the lapse of a day or two at least in order to verily the findings

One of the most important lessons pointed out by the foregoing summary of rontgen studies of the colon is that the \ ray lovestigation of any part of the alimentary tract must sociude a careful study of the entire digestive system Just as in rontgenography of urmary calcult one does not feel justified in reaching conclusions without having carefully searched the entire unnary tract so also in gastro-intestinal rontgenology one should not express any conclusions until the entire alimentary tract has been studied. The various segments of the ahmeotary canal present such an intimate interrelation governed by reflexes not as yet any too well understood that conclusions especially when operative mea ures are to be based upon them should be expressed only after the most thoroughgoing studies

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Schleidt J The Hypophysis in Feminized Males and in Mascullinized Females (Über die Hypoph se be f min rie M nebe und mask lierte Weibch) Z / H/ Phy s/ 04, wwn rry B) Zentr lid f dges Gynak. Geburtsh a.d Grenzgeb

A report is given of the histological studies of a series of rats, consisting of sexually norms animals castrated ones and ones in whom after castration gland of the other sea had been umplanted. As un these feminized and masculinized animals the effect of the generative part of the genital glands was excluded by the tran plantation and only the interstitual part was active a study could be made of the question of whether the cranges in the hypoph ssis aft r castration described by Jacherl were due to the lack of the generat e or the interstitiaf part of the glands The results were a decrease of cosmophile cells and the appearance of large vesicu lar cell with pole nuclei and acuoles in the by pophyses of the castrated animals on the contrary in the masculinized and feminized animals the by pophyses howed the type of seaually normal animals with the exception of one in which one of the im planted glands was completely absorbed - in this case solitsry esicular cells with vacuoles This seems to how that the cha ges in the hypophysis after on tration are due to the lack of the interstitiaf part of the male and female sexual glands SALLE

NECK

Vickenty F E Tumors of the Neck. S g
G a 4001 9 4 723 4
B) Surg Gynec & Obst

I umors of interest from an embryological o developmental point of view occurring the neck are of great importance on account of their comparati e fr quency and difficulty of diagnosia The reco d of th Roy f Victoria Hospital during the pa t ten years showed 15 cases of himnehogenic of bran hiogenic esecunoms q of the mglos sal cy is sad o roted body tumor A review of the cmb sology s d de elopment of the neck was detail in order that a bett considered rath u d ratanding of these tumors might he obt ned The main f atures discussed we e the formation of the prec rucs! nus the entile de elopment of the thyroid f in the floo of the mouth the fate of th ult moh a chial bodies and finally the devel om t of the ground body i om the sympathetic

st m
In re w gth ecord of the cases reported t
was point d out th t the his choquene cysta ar
usually of slow growth but may suddenly increase rin
n c ou of infection r m lagas t change
h gg rea matis are cry malign increase rin
c n antia re cry malign has no
to come to the come of the come of the come of the come
to come of the come of the

or behind the hyoid bone. Carotid body tumora are usually of slow growth are looked upon as beings timors, and are very difficult of removal on account of their situation at the bifurcation of the common earotid one of the casels usually requiring heating in attempts at removal

lagating in attempts at removal.

An conclusion it was pointed in the in all occl.

An conclusion it was pointed in the in all occl.

In conclusion in was pointed in the in all occl.

Planta a oud lays at was necessary to eachded the

passibility of disease in that region and particular
emphasis was laid on the fact that the study of these

tumers in worked the study of the tumers occurring

un the partitid submaxillary region (particular

unres) and it was suggested that these tumers

about the called and tumora ("or a) because all

constants of the arth (cartilage etc.) part to the

formation of the arth (cartilage etc.)

From the many complicated changes occurring in this region it is not difficult to assume that the snaring aff of embryonic portions of these arch structures could easily account for the mixed tumors.

found in this situstion

Gromme Theory of Basedow a Disease Myzordema, Cretinium and Mountain Goiter Hyper and Hypothyroidum (Zur Taeoric on Morbus Basedo u Myzodem Azeit umus und G buryakropi Hype und Hypothyroidumus) Beri 11 h k nin 19 4 h 737 By Zentralbi f d gs Chu u Grenzgeb

The author discusses the ures I Marimon of Barcelona that there is no such thing as hyper thyrodism but that (i) mynerdems and creixin ore discovered in delect a utilization of the organ of the notice that the surface of the organ can does not get one of the organ can does not get one of the notice of the organ can does not get one of the organ can does not get one of the organ of the loods is not sufficiently metabolized so that the body is disorded with unmetabolized that is in nows odium or the organic organization of the organization of

The author comes to the conclusion that natural todine albumen after t has been changed into a lorm peculiar to man serves as a hormone in the internal secretion.

The first case if my acrelema as a lack of colone the nutrition that of Basedow at sease a funct a sally we k thyroid gland with sudneent or excess sodine in the nutrition Firm this t follow that in my aculema there is a lack, if the peculia form of sodine that arises firm it rafer matto in the thy id gland in Basedow's discase the es in nexess of foreign organic sodine.

Grumme draw the f llowing practical conclusions () Cretimam and mycrdemis as well is endemic got are favorably sifected by thy road odin (r) the endemic goter of moutnain regiments in lise decreased in use by inorgan c soline hut

more so by ga to doin albumen preparations
(3) n B sedow's disease any form of todan is n
jursous (4) in appare tily simple goster which is
often a precursor f Basedow's disease iod ne is
Bo barmful

B a m

Chiari R: Are All the [leart and Blood Vessel Symptoms in Basedow's Disease Du in the Disease (5 nd alle bei Morb i Basedow or handenen Herz- and G f sserscheinung dow Symptom)? Zi chr f necu i i

#1 10 1 1014 1 80 By Zentrsibl. f d. grs Char n & Grenzgeh.

This work tries to clear ap the injanous effects on the heart in Basedow's disease. The ambor calls attention in the first place to the fact which has been proven anatomically that there is no definite relation between the heart symptoms and the other Basedon symptoms 1 myocarditi which would be expected in severe eases in analogy with other processes eaving heart in afficiency is rarely foan

The heart as motoms cannot be explained through

the specific effect of the Basedow's disease bat are to be attributed to different functional disturbancre which are generally present before the beginning of the Basedow's disease but only become manifest after at develops. In important point is that the history of Basedow patients often shows a hereditary taint of rheumatism scarict fever chorea Lichey disease or congenital hypoplasia of the blood vessels. Such antecedents serve as a basis on which Basedow's disease may develop If talyaist dresse is already present the Basedon & disease hastens the insafficiency resulting from it The foundation of the heart symptoms in Basedow's chacase is to be attributed to ch nees in the heart in youth and to a degenerative predistor tionhabitus asthenicus

H str.

SURGERY OF THE CHEST

CHEST WALL AND BREAST

Lamper Castration in Cancer of the Breast (Kastration bet Manimac resnom) 3f at hir Geburt & m G) Sh 19 4 ESSEE 704 By Zentralul I d. ges. Gynth. Geburtsh a. d. Grenzgeh

The nuther observed in five cases that caremoma of the breast was favorably influenced by custration and the effe t was not crable a few days after th operation. In one case the primary tumor decreased in four we ke to one third of its original sice and the enlarged anilary gl ads isappeared com-pletely. This method suggest d by Beatson bes only a pallistre value but used as a preliminary operation before radical amputation of the breast ROMAN it may improve the result

Peuckert Technique of Este su e Resection of the

chert Technique of Externs a Charles and Charles a goldh to Thorsaire editionen her craft i Lmpi m j Bet s il Ch e et 4 s by Zentrafth i d ges Char Genargeb The auth r recomm ads the operate e treatment f old eav ties from empy m in loar tages ()

The first consists a free opening of the thorax st the lower end of thee ity lollowed by as ptat tam pon and irrigation (2) I the see nd the post ri or thoracte wall of the ea ty is incised (3) While or the third the unterior wall is nessed (4) Last Schede's flaps the already cived ribs at the thickened pleura are freed (indiron mess as are made in the pleura

In smaller ra rices stages two and three and some times foar can be combined The suther h s oper ated on 10 cases of met pneumo 1e empjema in this way and one case of tahercular empyema examination showed no deaths resulted that there were no seneral con dition was good. 4 ft had s :01 Often after the z . the

first stage there is free discharge of secretion, fall in tempereture and sarpnsing improvement in the general condition.

Bernard Lion and Paral J : Th Origin of Plearal Litusions following Pneumothorax in the

Tubercular-Astural and Artificial Pneumothorax (Longas dre épanthements pleus con-sécutif su preumothorax épales tubers les paramothoras paturels et peramothorax artificels. B # See fet é se : let bere f 9 4 9 Se Nomarial f d gre Chu u s Grenzgels

The preutel excutates that frequently follow as ponetaneous or artificial partunoliborax are almost all crused by the tabercle bucilius and not by a excountary affection. They are graently arous at first gradually become tarbad und if they last long enough finally partune at Independently of the character of the exudate bucilit are olden loand in it in such erest many tree that there exist have The pleurel exudates that frequently follow a st in such great quant ties that they can be found n a imple sme r and often in such small nambers that they can only be demonstrated by moculation in animals. The coarse and character of the pleunts are not influenced by these difference In the exudate fter spontaneous pneumothorax there are generally many tabercle bacilla alter rizhcial po umothorax only a few

The authors concluded that this differe ce was due to the lact that spontaneous pneumothorsx is generally an open ac val e pneamothorax while the artifice I pacemotheras is closed and they tried to find whethe there was a constant rel tion be tween the kind of paeumothors and the number of healt 1 the exudste They tried to determine the Lind of paramethorsx 1 the hy intrepleural measurement of press re with Kuss manifiation apparatus and by the injection of an aqueous solu tion of methy lene blue into the pleural cavity

In open pneamothorax th pressare is the sam as or lower than the atmo phene pressure and the excretion blue to sals pneamothorax the pressure is higher than the atmospheric and the excretion uncolored in closed pneumotherat the intrapleuml pressure is negative but ness on insufficiation of gas and the excretion is not colored blue. The reliability of this method of examination has been confirmed many times on utopay The bacteriological examination of the pleural exadite at the same time aboved that in fact in open of mothers of a bacility while in closed pneumothorax it was almost force of bacility.

The purely tuhercular nature of pleural effisions after pneumothorax makes it probable that with the beginning of the latter there is frequently an irruption of greater or smaller numbers of bandli note the pleural exerty. In open and fact that the inhercular pattent coughs into his pleural cavities to a certain extent through his pleuropulmonary fistule. This is girerally the

case in spontaneous pneumotherax

In artificial pneumotherax the breaking down of adher one opens the way to the pleural cavity for the bacill. If a filtrous pachypleunits with a few mail tubercles was the cause of the adhesions when they are broken down only a few foc of bacills are set free and a tutle exudate free of bacills enter the pneumothorax remains closed. But if there down of the adhesions a pleuropulmonary fistule might easily arise the pneumothorax feeting the down of the adhesions a pleuropulmonary fistule might easily arise the pneumothorax become open and an abundant irruption of bacills tale place Operative cityue as of the lung to the insuffiction of gas are more rarely the cause of lung fastule and

the entrance of many bacilis
In the discussion Rist and Rivov confirmed the
essential points of the authors
Ilamass

Lyon J A. Therapeutic Art # 1 Prieumothorax
Associ t Treatment of Pulmonary Tuber
culosis a Prelimin ry Report of Slaty Two
Cases. B / 18 05 J 0 4 1 3 9
By Sung Cyncc & Obst

With few exceptiona ll of the eases reported were bit teral It has hen the autho rule to ref a n from at one establ hung a complete collapse of one lung when the disease tend beyond the apex in the oppost I ng The greatest value of artificial pneumothera h n rehe ing the cough the amou't of expector tion d th toxxwa by restricting the mobility of the more extensively diseased lung Lat f cond t as are fa orable a complet on umoth ra may he established In several se following the treatme t all physical ducase h e d sappea d n the anex of the untreated lung. The hange is credited to the dimini hing of the cough e pectoration and

The failure are ecorded under three h ade gs (1) undateral case with t has epicural adhesso a (2) cases in which an act process in both lungs his extended bey ad the apices and (3) eases which

were rapidly reaching the terminal atage. On account of the simplicity of the method the For lanini operation was used. The technique is given in detail.

Pleural shock cardisc dilation infection sponta neous pneumothorax air embolism pulmonary haemorrhage and recrudescenee in the untreated lung are the chief dangers accompanying induced

pneumothorax

Of the 62 cases treated 2 were mospent and treatment was given to relieve frequent hamontysis The lungs in both instances have remained collapsed and there has been no return of the hamopty is There were 31 case in the moderately advanced atage of the disease 2 in which the prognosia was questionable 17 unfavorable and 12 bad. In three instance, the lung was collapsed to relieve hæmor rhage and the experiment was auccessful treatment had to be discontinued with two of the patients on are ount of a recrudescence of the disease in the opposite lung. One developed a severe hamoptysis in the unrollapsed side and the treat ment had to be abandoned Four had to be dis continued on account of a recrudescence in the opposite lung in one on account of neurous in 3 hecause a sufficient amount of gas could not be in troduced to insure results. In two instances the treatment was abandoned on account of the occur rence of pleural shock as the patients became anconscious The treatment was discontinued in still another case which developed appendicitis. One patient died following a spontaneous pieu motherax and the treatment was discontinued in another case on account of adhesions at the base of the opposite lung causing marked dyspinces

Of the 15 remaining patients 5 have been discharged and are doing well 3 of this number are at present employed. The treatment is being continued satisfactorily in the remaining, to eases many

of whom will soon be discharged

The greatest number of injections made in a given case was 26 the maximum amount given was 700 ccm and the minimum amount was 500 ccm with the exe pion of the patients suffering from pleural shock to who mone was given. In the 20 far ad anced cave the pingnoss was in datorable far ad anced cave the pingnoss was in datorable in the distribution of the contract of remission of the contract of the contract of remission of the contract of remission of the contract of the contract of remission of the contract of remission of the contract of the contract of remission of remis

the one case remaining is a pontance a pne mothorax the collapsed lung being maintained by occa-

azonal introductions of gas.

When the re ults of the treatment are nah sed at must be understood that n almost ex ry instance the prognoss was not encouraging nd was in most instance exceedingly had. Of the 62 case i rected 58 were bilateral and 4 were umlateral The treat ment was discontinued in 13 cases on account of dense unstelding pleural adhesions, and in 12 on account of recrudescence of the d sease in the un treated side EDWARD L. CHEVELL.

Uffreduzzi O : Surgical Treatment of Pulmonary Tuberculosis. I ter at J S g 9 4 8 vn 575
B) Surg Cynec & Obst

among the recent methods of aurgical treatment of tuberculose of the lung has been the resect on of the first rib by Freund who belie es that compresson of the lung aper causes a poor blood supply Shrinkage of the diseased lung has also been tred by ligating branches of the pulmonary artery yext pneumothorsa was advocated by Forlanna this was limited in seplication to uniliteral tuber culous and a chest free from adhesions. When adhesions are present I nedrich Bauer and Schede have resorted to thoracoplastica extrapleurica. If the lower lobe is involved phrenectomy in the neck has been done

The nuthor has a lied animals four months after phrenectomy had been done and found the lung perfectly sersted throughout no changes had oc curred Sauerbruch has performed it on a few cases

with fay orable results

Preumothorax is the best surgical treatment next to which comes thoracoplastica extrapleurica as done by Wifms Phrencctomy is a relatively simple operation an I may be used in tuberculous of the lower lung to conjunction with thoracopia ty

LLCS & CARY

TRACHEA AND LUNGS

Good R II Remaral of Two N If from Brought of Child Two Years Old Y I If J 0 4 164 B) Surg Cynec & Obst

This east was seco sily on \) taken shortly after the act dent d sclosing two nails heads down one in eith r bronchus fhe child became very eyanotic at times bec use the heads f the mails

closed the lumen I th bronchs Bruening's smalle t bronchoscopie tube was used and the nails were removed by gra pung them with forceps - the t be forceps and nail being remos d at the same tim as the d ameter of the heads of the usils was greater than that of the tube The patient was kept in a steam tent for two days and the throat or so nalty sprayed with ad make and coc me At th and of 36 hours a fight ordema of the gl ttis de eloped but soon bauled

The author mphasizes the importance of immedi stely taking \ ray pr ture these esses and f th use of short esposu es - one tenth to one fifth of a second I oreign bod es should al 35 he remo ed as soon as possible I racheotomy is not so sa k as it greatly increases the mortality a d ELGE C necessar)

Henschen K : Experim ots in Intrathoracic Sur gery of tha Luog (Expense t & trathorskalen Lunge harurge) B tr H Ch 19 4 C. 19 4 C, Grenzgeb 373 By Zentralld f d. ges. Chir The author performed the following esperimental

2 The bringing of the lower lobe under the disphragm in order to attain as great contraction as possible from compression

2 Enveloping a lobe of the lung to a purse like covering of tran planted fascia to produce lobar

compression of only one labe The use of a flap of fascia to hermetically close the bronchial stump in estimation of a lobe of the

lung It is well known that extirpation of a lobe of ung often fails because this stump is not perfectly taken care of and mediastimitis results, the care of the bronchial stump is a technical problem that has not & t been solved 4 Strengthening Tugal's peripronehial suture

of the bronchus after rupture of the bronchus or bronchotomy by placing a strip of fascis around it as well as permanent bigature of a bronchus with a strip of fascia or tendon

The placeog of the lower lobe under a flap of fascia fastened to the disphragm to strain intense compression of the luog

6 The artificial raising of the diaphragm to support the lung in compression

? Compression of the lung from abo 9 and below

by the insertion of two flaps of fascin, among three numerous new methods the author is only ready to report on the first. The experime is which were made on dogs, sho ed that the artificial displacement of the right as well as the left lobes of the lung un ler the disphragm caused intense compression of the lung the lung compressed between the disphragm and the liver sho ed a m ried degree of compression at lectasis. All of the animals except one which died of pleurisy from the

operation a ryived The uthor proposes that this should be used as an early operation in bronchiectasis of the lover lobe in human beings It leads to a degree of com pressio of the o gan that c mot be attained by any other operat on

HEART AND VASCULAR SYSTEM

Carrel A. and Tuffier T Pathological and Experimental Study of Surgery I the Orifices of the Heart (£t d natomo-puthologique t périmentale l hrurge des orifices d cour) Per sr mid 9 4 xxu 13 B) Zentralbl f d ges. Chir Grenzgub

In operat g f r heart bacase the Lind of al it on is important as will as the condition of the heart and blood tessels tecording to the au ses, and some pulmonary at nost m ; be oper ted

The da gera f perat on onsist 1 1 ries to the

coronary arteries hiemorrhage entrance of air into the heart and vessels and in the formation of thrombi The coronary veins can be bigated with out danger but ligation of the arteries is well horne only in the periphe | segment | The severity of the harmorrhage depends on the size and direction of the wound Hæmorrhages from the right auncle are the hardest to control. The entrance of air to the left ventricle is a very grave accident as is also the fo mation of thrombi. The so called dan gerous zone in the heart muscle includes the coronary rienes from their mouth to the first hisurcation a d the sentum between the two nuricles. An in casion in the region of the boundary between the auricle a d ventricle causes immediate cessation of heart action as Haecker and Schepelmann have shown Also at the boundary of the upper and m ddle th rds of the antenor longitud nai groose

immediately stops the hea t Imo g the methods for tempora y harroostssis the nuthors helic e the one hest bor e is compression of the superior and inferior cna cave as recom mended by Haecker Internal and ternal val sulotomy is practiced in the treatment of at nosis the former is accomplished by making in incision with a suitable instrument eithe near the contract ed pla e or at a distance f om it Another method of treating stenos s is to form an astomosis be tween two points above and below the contracted place An intercostal incision is ecommended as the best mode of approach to the heart Several case h t es conclude the work HAR LIA

there : a point the mechanical : ritation of which

PHARYNX AND ŒSOPHAGUS

Syring Clin cal and E perimental Study (Plast c Operation on the Caophagu (hi schec und 1 peninc t lies ur Caoph gopla t.) De t k 7t k f Ch 0 4 x 60 By Zeau labl f d gis Chur Genzigh

The author r ports the case of year old gill on whom a plast operation was pe f rmid on the asophagus fo stact re following co ou n with salver mirate solution 1 loop of jejunum w sed beginning bo t 35 cm h low th jejunoduode l fold bout o cm of the | 1 um was freed of ita mesente v sect d transversely t the lower end drawn up through slt in th mesocolon and the upper opening sutu d nto th & of the thorax so that the motion we of course int peristally c td with the stomach The asophagus was hy anastomos: a 1 th n a 1 t ral an tomos: made betw nth ta plint dloop dith distal e d of the j j num wh h had bee losed. The sik utur ro nd t The loop wh h opened t the I vel of the nipples rum ed will nours he dhut the upw rd pen i lss soo pro ed d sestrous I ood gay n through Wazel fit la that had been at blished before the operation was ejected a short t me afte be ggs through the uppe open

ing it was sometimes mixed with bile and amounted to as much as 1,050 ccm daily An attempt was made to prevent this first hy sectioning the transplanted loop between the anastomosis in order to present regurgitation from the duodenum and later by separating the mesentery at Il nttached to the loop in order to cut off nervous influence. These attempts were unsuccessful and the patient died of pulmonary tuherculosis which had developed mean

The previously pubbshed case reports have held that peristalsis in the transplanted loop was of no significance. In Roux s method the loop is placed in such a position that peristalsis takes place in the normal direction but in this case it was so much more convenient that the antiperistaltic direction was del berately chosen because it had always been reported that the direction of peristalsis made no difference and that peristalsis gradually stopped The preceding case shows that this idea is roislead ing and dangerous Syring believes that this case shows that the autonomous avstero of ganglia in the intests al wall determines the intestinal movements He thinks also that in his patient perhaps the in creased vagotonus influenced the course of the condit o and that the results of this method would

not have been so bad in a patient without vagotonus. He then takes up the discussion of the published cases that are not in accord with his results. His case caused him to take up experimentally in dogs the method proposed by Jianu of forming a tube from the greater curvature of the stomach because he thought that there must be the same disadvan tages in this because of the antiperistaltic move ment of the new tube F ve of the seven dogs died hefore the sixth day so that it was only possible to observe the eff cts of the Jianu operation for a longer time than that in two cases. In these there was absolute insufficiency of the gastrostomy to such n extent that one dog whose history is a en though it ate g cedily d ed from malnutrition after about 6 neeks Actual penstaltie movementa were not observed in the d scharge of the food from the tuhe h t Syri g thi La that penst less prohably played a part in it I or the reason he bel even that Jianu a method although it is technically easy to perform and gives good conditions with relation to the nutrit on of the tube is not w thout d ger nt my r Mey rs suggestion should be carried out

t car fy the scrous coat at the point of entrance in to the st much so s to cut off the nerse conduction to the tube as much as possible and also by torsion of the tube according to G suny a method th comro cat between the tube and the stomach hould be mal as small as possible so a to m ke rh pass ge I stomach contents to the tube diff cult H Iso recommends atropin and paper rine to deer use gotonus Because of the nuperistal tic motio h also rejects on l has a ggestion to separate th stoma h in front of the pylorus r n plant et to f m an craophagus. Etresse

SURGERY OF THE ABDOMEN

ABDOMINAL WALL AND PERITONEUM

Druner: The Arched Epigastric Incision (Der bogen range Bauchachaut im Lpagasta m) Z atraibl f Ck 1914, zl 84 By Zentralbi f d ges Chr u. i Gernageh.

In order to spare the nerves fascia and muscles the author recommends the lateral pararectal ob lique incision in the lower part of the abdomen and in the region of the epigastrium an arched incision apening downward Bath incisions are described in detail, and are consid red herter than the ones heretofore in use The former is made near the sheath of the rectus separating the aponeuroses in the direction of their fibere. In the other the slan, fatty tissue and external sheath of the rectas are cut in an arch shape then the rectus is drawn to one side and the post mor sheath of the rectus and perstoneum opened or if more space is needed the rectus itself is incised on one or both sides. The author has always had excellent result with this IDCH OD LAMER

Gulhé, Vi Adenomata of the Umbilicus (Les adénome de lombili) Rev de 51 de et de ch adé se 19 4 a u 79 By Zentralbi f d. pes Gynák n Geburish a d Grenzgeb

All known cases except one were in women There is no connection between adenoma of the unbiliture and pregnancy. The ade omats are from the naze of a hazel out it that of an orange and may be easile or pedunched. There is no sharp toward the easile of pedunched there is no sharp tissue. They come to firm on nective tissue containing much firm and it tubular glands sometimes. Boranching and sometimes however, or the containing much firm and it tubular glands sometimes. Boranching and sometimes however, the perfect of the condition of the conditi

pigmentation

The symptoms consist of pai which increases at the mensitration time there may all 0 be beared rhage from the tumor t that time and a right of crease in the sure of the tumor otherwise the growth of these tumors is very also. Some authors have held that they originate from sweat plands some from remnant of the emphalmementering dust got from remnant of the emphalmementering dust got some from aberrant parts of Müller's dust. The author thanks that these theories are improbable and behaves these about the summary of the summary

The tumors are to be regarded therefore as pseudotumors ALBRECHT

Hoeselt II: Leucocytosia in Intraperitoneal Historicage (Leukocytose bet Intraperitoneal bi tu gen) II it. & Gran geb & II & a Chu 914 XX II 539

By Zentralhi, f d. ges Gynak, u. Geburteh, a d. Grenngeh, A short review is given of the literature on leucocytosis in intraperatonesi hamorrhage. The suther describes four of his own cases of hyperleucocytous in introperationeal harmorrhage resulting from tubal abortion or avanan apoplexy He experimented on rabbits to determine under what conditions hyperleucocytosis is to be expected in hiemorthage The result showed that the withdrawal of blood slone did not cause an increase in the white blood relis but when the blood taken from an animal was injected into its nwn abdominal cavity or into another of the same species there was a marked hyperleucocy tosis which reached its maximum shout six hours after the injection If the blood was inpetted subcutaneously into another animal of the same species, the leucocyte curve did not rise but it d d if the blood of the same aromal was used. The curve reached its maximum height in this case in

about 24 hours.

The experiments showed that the leucocyte count cannot he used for the differential diagnosis of intra-shdominal hemorrhage and inflammatory processes but if there are no marked injust of inf thou hypeileucocytosis may be regarded as a sign of intrepentiopeal hemorrhage.

Noetzel The Use of Brenner's Principle in the Radical Operation for Inquinal Hernia (Lbr Verenaturg des Brennerschan Pransps lei der Radikaloperation der Leistenbermen) De itaks Ge dick f (2 pie Be Zentall) i ders Chr u.; Grenzeb

In Brenner's typical subre solure of the internal oblique to the cremaster imade places remained to the cremaster imade places remained to the cremaster image places remained to the cremaster image places are considered to the cremater of the cremater begans image in order to make this suture firmed the cremater begans image in the cremater of the cremater begans in the cremater begans in the cremater benefit of the heronal open if the latest affere dego of the cremater benefit of the heronal open if the cremater benefit of the cremater benefit of the more into a quit post ridly degree to the cremater of the cremat

Poupart a hgam t If the ternal blique is very high and there are tery great gaps the cremastee does not always suffice to cover them. In these cases the nation of the internal oblique into the rectus is to he cut with a price of its aponeurous and drawn down ward where it is fastened at the internal angle so that the normal course of the muscle inward and downward is restored. After this the sature to the cremaster as described is carried out. In this way very large gaps can be budged over nod a from posterior wall established without any

Brenner who originated this method has used it in ahout 4 500 cases and in a large number of cases examined afterward he found only 5 per cent of recurrences.

Maclennan A The Stropfield Operati n for the Cure of Hernia in lofunts. Cl J o 4 xlm 449 By Surg Gyncr & Obst

The operation which the nuther performs is said to be so simple that the danger associated with the radical operat on for herms in infants have an ashed. The science of the case has become feasuration and the prehimmary treatment other than preparation for operation abandoned the draw has been reduced almost to the analysing point

while the after treatment is mi.

In the preparation of a case phismosis of pre-cent is convected one most before the pri posed radical soperation. In e reputanel account staces the city of the properties of the properties of the city of the properties of the city of the pre-cent states of the city of the pre-cent states of the city of the pre-cent states of the pr

The operation is as follows \n inci ion three quarters of an ach in length t made through th skin so that its center is o r the intercal ring I wo blunt retractors are meeted nto the wound and used to force apart the deeper tussues By this means the fascia of the e ternal oblique muscle is torn through and by moving the retracto a to and fro the blush more glistening cord and sa become apparent Where obscurity exits it will more blely be due to false posit in of the incision or incomplete severance of the ubcutaneous tissue The sac and e rd are picked up and drawn out of the wound and the sac is rap dly desc ted free from il ttachments The testucies should not be c moved unless absol tely necessary If the sac is a true congenital o c it must be divided so as so permit a cov rs g for the t sticle

Th sa, sh id be feed from all adhesions use if the junction with the pertoneum has been reached and then fre ted as in Macescen a operation. It long it should not all ber funed into the belong the threquest amount should be fastured 1 ponerturing at the desired spot and making a single in it on all one half the code are then extend row if the

other half and double-knotted. The opper portion of the sac is cut off Having threaded the sac a pair of broad straight scissors are passed up the canal between the parietes and the sae to act as a guide for the sac puckering auture the needle hold tng the auture is passed up the canal eye first he sond the internal ring and when the scissors have been withdrawn and the upper angle of the wound pulled upward by a pair of dissecting forceps the needle with the suture is made to perforate the abdominal wall When this auture is pulled upon the sac retreata up the canal The suture is fix d to the fascia of the external oblique muscle by a single botch This nuclous the crumpled up sac at the internal ring where it acts as a sentinel guarding the canal The sac suture is used for the closure of the mound

The dressing used is a small roll of gauze which lattle more than covers the wound. It is retained in position by a strip of rubber adhesive tape two by three inches in size. The after treatment consists

in leaving the infant alone and feeding him properly.

The atticle is accompanied by many illustrations showing in detail the method of operation.

EDWARD L. CORNELL

GASTRO-INTESTINAL TRACT

Brown Jr A. G Diagnosis of Certain Stomach

Cases. South V J 9 4 6 7 By h 72 Gynec & Obst.

The author shows how certain diseased conditions outside the stomach may approxibe themselve through stomach symptoms. He gives there different con-

ditions and illustrates each with a case report.

The intimate and complicated connection between
the stomach and other organs through being sur

rounded and connected with other digestive organs being supplied by a large oumber of blood vessels being numetally associated with adjacen organs and being e innected by nerves with remote parts of the body makes it a prominent agent of expression in disease

Inasmuch as the motor veretory and sensory action of the stomach is controlled by the pneumo gather and planchine nerves any d rargements of their con ections will u ually aff et these functions of the atoma b

Cond tion out d the tomach which often ea press themsel es th o gh the stomach are a Certa non bacterial toxic disturbances such

a diabetes gout and nephritis also certain bacterial

of t ons — a the infection f vers, tuberculos

diarate adocardits

t reaso sentations of the cerebrum — as tu more ab-cesses harm rehages embol m a d mo ti nal t t

throm the pharyax laryax and to gs as in whoops go ugh the berculous ancurs in and go to 4. The stimach telf—2 to gastritis dilatation.

pyloric st nous ulc r and cane r 5 from the b r and gall bladder as in ho-

lecostiti h part of h patic c se

6 From the Lidneys - as in nephritis, pychtis renal colic, and floating Lidneys

7 From the pancreas - as in pancreatitis and

caocer of the organ

8. From the uterus and appendages - as in neer nancy misplacements inflammations and stenosis

of the cervix. 9 From the bladder and prostate - a in cyatitus and prostatitle to

10 From scute infections of the peritoneum From the intestines - as in duodenal ulcer appendicuis parasites obstructions, hermas etc

to closing the author emphasizes the study of the intestinal discharges in all stomsch cases PRINTIPS M CHASE

Axford W II A Rontgenological Study of the

M mentary Canal J W Sec 1 J 10 4 L 114 By Sure Gree & Obet Ixford a paper is devoted chiefly to the effects of

gravity and ptosis in the production of angulation Links evolutionary bands adhesions and secondary inflammatory processes resulting in stasis and obstruction life compares the injestine to coals of rubher tubiog suspended on a row of nails. In certain parts of the intestines was the so called normal suspension points, such as the function of the first and second portions of the duodenum the duodeoorgunal junction terminst deum hepatie and splenic flesures, the unter almost invari bly finds angulation and marked changes to the lumon of the basel There may result simple mechanical obstruction mechanical obstruction combined with organie changes and organie changes without mechanical bitruction lie thinks that beredity plays an important part to many cases and has found contracted mesentery evalutionary bands and dhesions to habite suff ring from digestive distu bances long before thry w re able to wall. Healthy babies may levelop these troubles afte heginning to walk. The appendix can be tudied in oo per coot of the cases A oon function ng fised

He summarizes the amptoms of stans accords g to Lane quotes B inhridge # th appro al praises the ' ray as a means fs curate lo alisation of the trouble and tou hes upon the question of the time t both hetetic nd urgical 1 BERT VI LER

Polser Post Operat a Paralyses of the Stoma h and Inrestines (Lite postoperat MI) mighm gt) B / Li ll & & 041

By Za traffil f d ger Conak G burtsh d (renzgab

In post perati paralise of the ga tro atests nal at t the with I tangu hea paralise of the stomach paral is of the st mach and otestines and paralysis of the t t me I ost-operat par I supposed \ause a d m1 g are begn m g stages of poral) sis of th 10m h a d are observed very (requently 'e e pa al) is of the tomach

with copious gushing comiting is much rarer it is also accompanied by marked dilatation of the stomach profuse secretion of the mucous membrane of the stomach with or without artenomesentene occlusion of the duodcoum Prophylactically in patients with stomach disease and in neurasthenes, o erfilling of the stomsch should be avoided after operation aho too early feeding by the mouth This is the more important because patients so di no-cd

oft a complat of thirst There is another form of post operative paralysis of the stomach, without praiuse secretion and without occlusion of the duodeware but generally in conjunction with paralysis of the intestine. It du appears under the pacture of post-operativa paralytic theus all th attention being directed to the int sincl paralysis so that the condition of the tomach is not observed. Therapeutically the uthor he not had certain results from the use of physostigmine peristalis sennatio etc in post-operati e paralisis of the sotestines but in ser re cases he has had good results from hormonal Heat applied to the abdomen after operat on is to he recommended, but not an purclent perstantis and not 1 the form of hot air cabinets because the high temperature affect the heart too much and the method is not without langer for patients receotly operated upo sons heated I s electricity are hetter as they ba c a good effect on the deep traues but do not I fluence the general condition

Eustermag G B. Chronie Gastrie Dist rhances Differential DI guotts / Louret 19 4 24 460 By Su g Chara & Obst

All forms of brome lyspepsis may be broadly lassified into three groups (1) functional (2) reflex and (3) organic The author chiefly discusses the chronic recurrent and painful or distress gt) per due to some lesson of the stomach and dund oum or of contiguous organos associated with the digestive apparatus Chrome simple ulcers of the stomach and duodenum especially the latte has fairly definite symptomstology in 75 to 85 per re t of cases thro icity periodicity of stracks altern ting with symptomless intervils or remissions and hypersecretion are characteristic Pain is noted in 95 per cent of all cases Onset of pain dassociated symptoms has fairly definite relation to food int & lood zi es relief in 6 per re t Hæmorrhage perforat on or pylone at nosts bt us a approximat ly 30 per cot of all cases Localized tendern as s of secondary diagnostic impo tance nices per I rats I adences in all ing the perit n um see present Inalyses of faces and g in content are valuable of confirmatory of the class of finds go ed pe sable to stypical arrigular or mixed cases Clinic I differentiation betwee gast it d duo densi lesson s often d freult the forme the attacks to not as clear cut s 1 the d odeo i and pylone type I leers w II ab th pyloru the amptoms may be present to lo go periods or

there may be rem ssions rather than intermissions. Small amounts of food give relief while increased amounts may provoke pain or distress. Sods, remeases there when food does not. Pan appearing in one half to one hour after meals is quite diagnostic of gastric lesions. Redistion and diffuseness of par is considerably more extensive in the gastric than an ather more common exacerhations more frequent pe haps briefer in duration and more cashly provoked by esternal influences. Location and radiation of pain to the left lessened motil ty and spass suggestion to the left lessened motil ty and spass suggestion.

gastric than in duode al types Reflex gastric disturbances the result of gall bladder or appen diceal duesase must be suspected and excluded when symptoms are irregular during the period of attack. Concident d sease in these organs and the stomach or duodenum occurs in a oper cent of all ulecr cases

Mistaken diagnoses may be made n () perfo at ing duodensl ulcers the painful seisures mistaken for cholehthusus n to per cent of all cases (2) chronic gall bladder disease with o w thout stones absence of typical cone or icterus hut periods of marked gastric disturbances (pain flatulency nau sea sour and butter regurgitation) are occasionally mistaken for duodenal or g stric ulce ray find; gs are of the greatest valu in (t) cancerous lessons and hou glass defo mittes and (2) in gastne There are radiologic limit tions in duodenal ulcers but proper correlation of clinical laborato y and r tgen ray data enables a safe diagnostic con clus on to be made in most cases Gastric ca cer follows clinically nd histopathologo ally upo ulcer in 6 per cent of all cases palpable mass is p esent in so per cent. In 18 per ce t of all ca cers free HCl was present although in redu ed amount Nancty five per cent of all gastric tumors (masses) are maligna t Many ext aneous conditions c use gastric disturbances chief among which re local or central nervous synhil cardiosousm Port disease pane eat tis bronic nephritis m ar me myoc rdial insufficiency and hepatic disease

Ancher T A Case of Volvulus of th Stomach
(En I all on Magen ol ul) Dr l k Zischr f
Chi 9 4 ct u 59
By Zentralbi f d ge Chur Grenzgeb

Nocher g es a det led description d hastory of acase f butulos of the stomach. The 53 pear ld patient had fiered from tomach or mps 33 and 33 os. In d 33 os. In d 35 os. In d 18 os. In d

threatening symptoms operation was performed with the diagnosis of volvulus of the sigmoid flexure On opening the abdomen the enormously distended stomach was seen in a vertical posit on and to the left also lying vert cally the transverse colon The greater curvature lay to the left the great dis tention of the stomach was chiefly caused by stretching of the anterior wall. The stomach was twisted 270 degres It was untwisted and the fi dings were as follows (1) Extreme ptosis to the syphysis () the duodenum ran unward and to the left so that the horizontal part stood almost ver tically because of the traction of the stomach on it (a) there was an hour plass stomach with a small cardiae asc (4) the loops of small intestine of the nght side were displaced to the left over the pedicle of the of ulus

Because of severe symptoms of insufficiency of the larger sac of the stomach an inferior gastroenterostomy had to be performed five weeks later On this operation the stretching of the anterior wall of the stomach was explained. As a result of the ulce which hed caused the hour glass stomach (and of congenital predisposit on) contraction of the posterior wall had taken place which bad brought the greater curvature very close to the smaller curvature. In the second operation the m thed hypertrophy of the stomach musculature caused a great deal of difficulty as the mucous mem ne could hardly be brought together over it the defective elasticity of the opening caused renewed symptoms of retention so that mue days later Hemecke Mikulicz plastic operat on had to be performed After that the condition of the patie t was sousfactory

Twenty eight cases of pure volvulus of the stomach are known 18 of them w re operated on and 7 of them showed hour glass stomachs The condition is an reportant factor in tiology tors the causation of the ofvulus are over filing and plosts of the stomach n this way the duodenum and pylorus mobilized and displaced the stom ach bec mes very movable and the lesser ome tum is stretched. If there is hou glass stoma h the already contracted place become still narrower the duode um lesser omentum and the small pouch of the stomach form the pedicle Another factor is the cont action of the posterior will of the tom h The immediate cause of the development of the volvulus is () increas d peristable fter ant peristalsis (a) om t ng d (3) mechanical t so nafter mo em t of the body because of th we ght of the dist nded and prolapsed toma h traumn of the abdomen a d n complicated cases t m s kocher d t ngu hes two types t as erse volvulus round the mesenteric mass and (5) v l ulus around the fong axis of the stomach tself this bet g the m re unusual f rm dag os s f olvul of th stoma h is thought of o e must as in aff cases of ileus exclude perfo t ve perito tis Acute p nereat iis must also be con sidered 1 tomach condit n is indicated by the

sudden extreme meteorism the appearance of a large circumscribed tympanitic tumor in the stomsch region and a change in the level of the fluid with a change in postion. Among the 28 cases mentioned above with 18 operations there was recovery in 13 cases Several instructive sketches and photographs are given ELGE SCHLERE

De Querialn P : The Diagnosts of Gastric and Duodenal Ulcer A S g Phila o 4 lx, 252 By Surg Gree & Obst

The extent to which surgiral operations for gastric ulcers may be successfully performed depends chiefly upon the physician a ability to diagnose. In the last decade progress has been made nancipally in the realm of estrapy lone gastne ulcer and ulcers of the duodenum i c cases which unless accidental bleeding or acute perforation set in have heretofore been regarded as gastralguas" and gastric neuroses and triated in various bath and nerve sanatariums In state of the fact that an ocrasional ulter had been surgically treated before the jotroduc tion of the tontgen rays nevertheless a definite and systematic plan of procedure could only become a genuine possibility after their introduction autimit ting as it did the benefits of clear vision for uncertain conjectures and theoretical deductions Progress thus made has manufested steell not only by the ever increasing number of operations for gastrac and duodenal ulcers netually performed but also by the great number of published articles

Other benefits derived by tray cram nations even surpass the advantages naturally obtained through disgrous made nie peral arm X ray enables the physician in a manner heret fore impossible to discover the causes of immediate post operative disturbances and the subseru at ill effects thereof and furthermore to exercise a certain self-criticism formerly too often upplied by the internal which though sometimes ju t was too frequently lacking in any sure foundation

The uthor lass great stress on the taking of a screes of radi grams thus fixing the most important phases of the process of digestion Immediately alter the patient has taken 400 grams of a suit ciently liquid ca bobydrate contrast in at - w th out mil - photograph are made - one in the upright position one in the shdominal position and one n the right lat ral position T o and six and one in the ign has the position. I dead an income hours lat r photogr phs are taken I the abdominal position—less freque fly in the upright position in hintographs are again taken after 24, 48 hours, and so on until the h w is are empired of the co-trast substances These I tt r ut ngs are alway taken il alte 6 ho rs there is still cons derable residn in the stomach and also I a disease of the low la is in question Th d uble meal recommended by Haudel is not used

In non-stenosed and n n perio att ggastne .ers a localized spasm of the gastric wall is foun a the site of the ulcers Thi loralized spasm d a from the sometimes very at use contraction riending

peristaltic waves, as a rule in that it constricts the stomach only along the greater curvature. The chief reason for this may be that the ulcers are most ly satuated at the lesser curvature A further diag nostic sign is, that in ulcer the spasm is always found at the same place while at different examinations the contraction of the penstaltic waves is found at different places even if it should concern the greater curvature more than the lesser

The spasm is not a lasting one. If the stomach is empty it is absent if material is introduced (even air) the spasm reappears but can be dissipated more or less by the use of atropine or paparerine

When there are no ulcers the spasm may occur at the base of a excatrix after operation, or as the result of other anatomical anomolies, such as ciratienal bands or the pressure of corsets (seldom) These

spasms rarely interfere with the diagnosis.

The spastic condition is not found in all gastice The author has seen many cases of prononneed Eastric ulcers in which the spasm under

ordinary conditions of its appearance was wanting or scarcely to be observed. The non stenosed and non penetrating pylone cer is consulered under this heading also. The ulcer is considered under this heading also retention of a considerable residua after six bount

is of disguestic value. The following purely functronal disturbances may simulate pyloric ulcer In purely functional diminished mobility espectally in connection with pious. In these cases the stomach shows a diminished peristaliss

2 In pylorospasm excited by an ulcer remote from the pylorus. In penetrating ulcers at the level curt ature sometimes there is lound considerable retardation in the removal of food from the gastne sect on situated he ond the ulcer This delay is

due to a reflex pyloro pasm 3 In the so-called daodenal motility 1 e the initially acciderated and subsequently abnormally retarded toods g of the stomach a diminished r hour residue and an abnormal 6 hour residue is found whereas in pure pylorospasm the stomach also holds an abnormally large content after two hours The distinction of both conditions is easily made by an investigation after two hours

4 In torue pyloro pasm (m rphine mectine cte,) as a part of the phe menon of the gastro-pasm receptly described by Holzknecht ad Lueget

in it radiologic point of ien 5 In hyperacidity without ulcer

to apparent 6 hour residue with preserved or a creased penstalsis gives an essential indica tion but no real proof of the existence of a p) I ne

The author describes the non stenosed penetrat ng ga tric ulcer and gives the three possibilities for

as formation

The ulcer m y he saturated exactly at the lesser r Ane uncer my de supario executy at the lesser curvat re - very seldom at the greate - and grad sally corrodes through all layers to the point of attachment of the gastrohepat e bigam t Through probiler to a and the cheming of its counce t e tiss a the base of the ulcer may be continually made more compact without the necessary addition of other adhesions

2 The ulcer may come to the surface at another place and this may lead to the formation of fabrin and sgglutination with adjacent organs. Into the adhesions thus formed the ulcer hurrows deeper and deeper the adhesions, at the same time extending furthe and further.

3 There may be formed an acute and greatly circumscrahed perforation sometimes not larger than a punkead When this appears in a not overfilled stomach and the quantity of escaping hquid is not large it reacts in the manner described under Group

With ulcers at the lesser curvature and its ad joining regions the particular & ray feature is the notch Although it may be a simple matter to discover the notch in typical cases, nevertheless care must be taken not to reach false conclusions The ulcer may he ove looked easily particularly so if it he situated very near the cardia When examined the patient must be in an oblique position with the per part of the trunk lying low and finally in the right lateral position. Doubts may arise from the presence of accidental gastric pouches caused by certain states of contraction e pecially by the bulging between two waves of contraction - one following close upon another A marked picture of a notch with a covered-over bubble of gas may be mistaken for the duodenal ampulla or stomach can If doubt persusts repeated examinations after atropine injection must be made

A symptom which greatly facilitates the diagnosis of the notch is the existence of a permanent contraction at the greater curvature at a point correspond g to the not him question or even the picture of a

cicatnzed hour glass stomach

When a penetrating ulerr is so far datant from the lesser curvature that it cannot reach the right boundary line of the stomach shadow it is not demonstrable th ough the right purpure in the anteroposterior view. But such an ulerr could be shown if after evacuation of the stomach a shadow of cont ast ubstance should uppear at a circum rubed unchangeable place. This is especially true of the ulers of the perior gastric wall. I for such the considered in view of the thomach hould finally be considered.

In stenosing gastine uleer the roatgen essums too has been an sid although the uleer could be diagnosed without difficulty ven prior to the roat gen period. The suthor classifies the condition as follows.

1 Mediogastric at nosis

The following types of hipsrt t n of the gastric

shadow may he mentioned

a The purely pastic hour glass stomach which
is found in connection with the superficial gastric

is found in connection with the superficial gastric ulc and penet ting ulce

b Th mixed hour glass stomach which is a combination of a circatricul co traction of the stomach with spastic constriction. In these cases the creatrical co traction is not so pronounced as to substantially interfere with the permeability of the stomach. If such a case should appear however it would be due to the spastic component.

6 The creatment hour glass atomach in which through further and further contraction of the gastric wall in the region of the ulcer the lumen is finally narrowed to a minimum A creatment hour plass stomach cannot be influenced by atro-

pure

¡ With the pyloric ulcer the problem is to recognize
the stenosis as an anatomical one not caused by
pylorospasm only and later if possible to differen
tate the various forms of anatomical stenosis

The occurrence of the following symptoms tends

to prove the case to be one ul organic stenous The clinical symptoms—special prominence of pain irregularity of the attacks, and short dura tion of the signs of retention—are characteristic of spaam but retention existing for a longer time gradually increasing with uniform troubles indicates organic partnership.

3 The time relations of the referation are important If half of the cost ast med remains after 6 hours it proves w th certainty that there is a functional or an organe impediment. Only a 6 hour residue corresponding nearly in the entire contrast meal which would point toward a probable 24 hour time of expulsion is to be regarded with any degree of sunners as an organic stenosis.

3 The action of atropine or papaverine on the

spasm

4 The water test As Von Mering first showed water will pass the pylorus under conditions in which all solid food is held back by a pylone reflex.

5 The shape of the stomsch on the whole remains normal in cases of purely functional stenoses.

In the non stenosed duodeanl ulcer unequaveral, postate signs of duodeanl ulcer are to be had neither in the anamesis in the chinzal findings nor in the contens picture. With the symptoms of the periodical secondary pain after taking food often retarded as econdary pain after taking food often retarded the secondary pain after taking food often retarded the property of the secondary pain after taking food often retarded the property painting and present the sought by testing accurations of an entirely similar sature are observed without any formation of ulcers. If postive traces of blood are found in beth the gastine and intestinal contents the presence of a gastine of the substitute of the substitute of the duodenma and and the intestinal contents.

Important as is the presence of blood it is, never theless not decayed I as many observers remark in actual ulcers blood is often sheen or is only present intermittently. When after repeated examinations no blood is found another indication of ulcer is the sensit ness to pressure in the region immediately is the right of the median line.

The type of the gastric evaruation in duodenal ulcer is as follows. At first the stomach empties quicker than normally so that after two or three

hours the whole or a least the largest part of its contents is found in the intestine and then descends comparatively quickly Toward the end emptying is often ratarded so that on the other hand a 6 hour tesidue often remains. Despite this 6 hour residue. the contrast filling in the colon is said to have pushed forward abnormally far as far as the plesara ineals according to Jones. The abnormally quick emptying is explained in the sense of a rafler in sufficiency of the pylorus. This duodenal motility is by no means found to all cases of duodenal ulcer It is however also observed in other very different affections of the duodenal region It is found according to Bergmann in hyperacidity without ulcer in the early stage of carcinoma of the body of the stomach and finally n those diseases which compete with the duodenal ulcer in differential diagnosis namely in diseases of the paneress and the gall-bladder. The duodenal motility is therefore but a sign awakening suspicion not a pathognomome symptom

A further peculianty is the exist nee of a shadow in the bulbus duodent the stomach cap This is regarded as in some degree characteristic of duodenal ulcer but its presence is so frequent an occurrence that the author would not lay stress upon it unless it shows a tirely rounded form or one that runs to

a point like a hood.

With reference to the disenses of duodenal piece the author states that when the anamness and the cluncal condition indicate the probability of an ulcer or prove it directly by hemorrhages, the negative findings to the stomach force the conclusion that the ulcer is very likely situated in the doodenum. The diagnosis of a gastric ulcer is usually a positive one that of the duodenal ulcer a diagnosis per exclusioner. It consists on the positive ude of a num ber of symptoms, some on which are of themselves proof and which are important only because of their ralation to one another

The stenosed ulcer may he readily differentiated from the non stenosed type. The chyme normally passes the duodenum so quickly and in such small quantities that the rontgen picture never shows complete filling out or even a somewhat complete outline of this part of the intestine Il it is densely filled with contrast substance so that its course is followed in it entire extent of at least to a certain point there is an abstruction farther down Con cerning the nature of this obstruction the rontgen picture is of no avail The stenosis may be ega ded as an ulce maly when another cause is lacking and when the anamuesis teelf indicates duodenal ulcer

These restrictions are also necessary because stenous is a very rare occurrence with duodenal ulcer Closely connected with diagnostics of ulcere are those of adhes ons Abnormal adhesions in ol rag the stomach can be anticipated from the following

three conditions I An abnormal position of the pylorus the

stomach being but normally filled 2 The ton slight displacement of the pylorus. upon examination in different positions of the body 3 From anomalies of the stomach n t otherwise explamed For App I. Comer.

Mayo, W J Chronic Ulcers of the Stomsch and Duodenum 1 Surg Phile g 4 ls a. By Surg Gyme & Obst.

During the first period -- 1803 to 1000 -- at the St. Mary's Hospital operation for pylone abstrue tion was opplied only to patients with marked pylone narrowing In the chronic cases little differentiation was made between pleers in the pilone end of the stomach and those in the duodenum. The re-

sults were excellent The second period-1000 in 1006-was marked by growth of knowledge the result of surgical ob servation. During this period it was recognized that obstruction was a terminal condition and a study was commenced with a vew to the earlier termination of a malady which exposed the patient to serious dangers and more or less constant do ability and distress. There was much discussion of murous ulcers and a variety of supposed lesses which were out the result of actual observations it the operating table but of an attempt to furnish a pathologic basis for the symptoms complained of

by the patient

During the third period - 1006 to 1014 - there was great improvement in diagnosis and a better technique was developed. The relation of the chancel symptoms to the lesion was shown in the hight of operative expensence. Great aid was ob-

Up to December 32 1913 1,841 cases of acute and chronic ulcers of the stomach and duodenum had been operated un - 457 females and 1,381 males The early churcal view of a preponderance of females over males was thus about in be in error Probably the large number of these supposed ulcers su women were the result of pylone spasm due to gall stones or intestinal lesions In 636 of the 1,541 cases the ulcers were located in the stomach in x 205 to the duodenum Multiple ukers occurred only in 1 or 5 per crat of the cases

The character of ulters of the duodenum may

diffe in many respects from ulcere of the stomach. They are usually found in the upper two inches of the duodenum and many times with on crater such as exists in the stomach, but rather discolored moth eaten patch, in the center of whi h a a sht or dimple his ulcer but with typical induration in the personnel and muscular coats Incomplete protected perforations are commo of the chrome ulter of the stomach or duode um is rare remporary subsidence of smpt ms often being mistalent racure asia the case n holelith a

us and appendicual discuse an ann appendicts discourt
Castropejunostomy is the most gene ily usef I
operation Ulera shill be acsed who the
oper ion can be done without too much as
Dunde al and gastric ulera obstruct ag th p lorus yield equally good results following aperation. The greater the distance of the gastne ulcer from the pylorus the greater the mortality and the less cer tain the cure \inety eight per cent of duodenal ulcers and mnety five per cent of gastric ulcers will be cured pe greatly rehe ed by operation. The operative mortality of duodenal ulcers is so per cent of pastric ulcers including acute perforations acute hamorrhage resections, etc & Sper cent

Viathieu \ Stud es un the Pathology of Lices Ulcer of th Lesser Curvatuce (Etudes ur la pathologie de l leus L leu de l patte ur bure) Ga d kôp t mil t 2014 lexevu 45 By Zeptraibl f d gu Ch Grenzgeb

The vessel a d nerves of the toma h open on the lesser curvature it is the hilum all the st mach To this fact | due a number of the symptoms of ulcer of the lesser curvature \bout a third of the ulcers of the stomach are on the lesser curs ture about half of them on the pylorus The pure symp tom complex of ulcer of the lesser shown only in cases where it t at a distance from the pylorus it does not make any differe ce whether it e tends more nr less over the anterior or posteri surface of the stoma h That point becames of importance only when it is a perforating ulcer

Ulcer of the lesser cury ture also gives the general symptoms and complications of othe ulcers of th stomach The only one that I pe uliar to it the tendency to form large tumors (mant ulce) which often arise comparate ely unnoticed because they do not cause stenosis Characteristic of uker of the lesser curvature are the cry se ere a d tubbor pains which result f om the proximity of the ulce to the sola plexus. The individual attacks are ery severe and Irequent a d generally last from 2 to a weeks. In the mt rv is the symptoms may

disappear except for rd nary dyspepsia The lat pains stopped by alkalie of food characteristic of ulce of th pyloru ppear also in ulcer of the lesse urvarure b t murh more rarely than in ul er of the pylorus Hyperchlor hydria appears regula ly hypersecret on ery regularly rete to almost ne er occurs. The nosis A consta t drawing in of the greate curva ule r oppo ne t \ches or ture indiest the I ser cur ature are sur signs of diverticula perforation of n ul r generally i t the pancreas In the same case the pi ture of the diert culum may cha ge extraordinaril merous figure a the

In cases of saddte haped 1 f th lesser cu ature in which excatric 1 ont act on h a brought the pyloric end I th t mach ne to th curdiac e d the stomach looks short and has slightly con oluted co t rs- sn l stomach

text illustrate the

The cases of giant ulc. with pronounced tumo f rmation are ery difficult to d agnose because of their a milarity t i moma The different at a can often be made in such cases only by exploratory laparotomy

The diagnosis of the location of an ulcer of the stomach is generally not very difficult as an ulcer of the pylorus has very characters tie symptoms but it is often dishcult to distinguish between ulcer of the lesser curvature and ulcer of the duodenum because neither shows signs of stenosis differential d agnosis between carcinoma and picer may aften be made from the fact that the history of the carcinoma does not extend back longer than a year while ulcer has an extremely long course Carcinoma following ulcer is much rarer than is generally supposed and fren cannot be recugnized

ch cally The author discuses treatment ery briefly Vedical treatment seldom brings reco ery but oft n there is at parent recovery for a co siderable length of time Surgical treatment re ection as well as gasteo enterostomy may cause complete reco ery anatomical as well as f netional Gastro enterostomy with a large opening as it allows dr mage of the stomach frequently causes complete disappearance of all past and impro ement in the gene al condition

liegrously II Esperience with Licer of the Lesser Curs ture (Friah pgen ber das Uic s an de kleine k r tur) Vork di d Gesell ch d uis k Voi f A ti 9 4 \ 0 30 A # 9 4 0 30 By Zentralbi I d ges Chur u Grenzgeh

Heyrovsky discusses the results obtained in gor cases of operation for ulcer of the stomach 74 of them for callous ulcer of the lesser curvature and agrees with Hochenegg in the behef that gastroenterestomy is the heat method for treating the majority of ulcers Extrapylonic ulcer is almost as successfully treated by gastro-enterostomy as ulcer of the pylorus Resection, which is more dangerous does not give any better results and is indicated unly when there is reason to believe that there is carcino ma and in cases where gastro-enterostomy in connection with a table diet has not brought about cure REINHARDT

Friedman J C and Hamburger W W Experi-mental Chronic Gastric Ulcer a Second Con subution to th Esperimental Pathology of th Stomach J 4m V A 9 4 km 380 By Surg Gynec & Obst.

Acute ulcer of the stomach has been produced n various ways us hy injecting various bacteria intra enough by f eding bacteria hy injecting certa a toxins such as diphtheria antitoxi local by by sajecting certain irritants nto the walls of the stomach mechanically by excising pieces of mu cosa, tying nil gastric arteries r njecting various emulsions in the gastric vessels. Most of these ulcers howe er beal rap dly and it was the aim of the authors in their experimental wn k to cause these pleers to run a chronic course

The method used consisted in causi g a stenosis

of the pylorus and the formation of an acute piece in dogs by injecting silver intrate into the wall of the stomach. The results of the sicnosis were The results of the stenosis were marked penstalsas hyperacidity and stassa. In most of the cases where necropay showed dilatation and hypertrophy of the stomach walls, one or more

chronic ulcers were present

The simplest interpretation of these would be as follows Acute ulcers tend to remain unhealed and exposed to the action of a very active gastric juice for an abnormally long period and possibly the delay in healing is greater if the food and gastric purce are ground against the weers with unusual violence from by perpensial is Consequently at least three factors are nece sary for the production of throme ulcers in animals (t) a local distruction of the mucosa (2) an active or overactive gastrie ruice and (s) prolonged or vigorous contact of the two - hyperpen talsis

The location of a chronic ulcer is usually near the pylorus Ulcers of the fundus tend to heal probably because peristaltic action is less to this part of the stomseb and also there is less acidity or there maye enbeall alkaliguts In ulcer near the pylorus is subjected to marked pensials a often hyperpensial sis and many times an overactive gastrie juice

I II SERLE

bon l'iselsberg P Th Chaice of the M thod of Operation in the Treatment of Gastric and Duodenal Licer Laure Land By 5 rg Gynee & Obet.

Gastro enterestomy has come to be considered the operation most frequently attend d with benefit cial results in gastrie ulcer but its benefits are not manufest in all cases to persistent ulcer especially

its cures are not so numerous

From an analysis f 334 grafro-enterestomies for this condition several interesting points are brought out viz that ulcers situated at a distance from the pylorus are not so much influ need by gastro-enterestomy a those actuated at the pylorus that the most frequent cause of the fashire of the opera tion to cure is the de elopment of a post-ope stive peptic uleer of the jejunum that f 41 patients who died a lo g time after the operation, 13 died of carcinoma and 6 through the progressive cuatin

uance of the symptoms of the ulcer Peptic ulce appears to be assed by the coo tinuous passage of acid gastric juice into the duode num causing the mucous membrane to become eroded In the less set re forms the symptoms take the form of simple pains and in these cases repair on the part of the organism can bring about a cure in these eases of spontaneous cure contraction and stricture of the gastro-enterestumy area sometimes occur resulting in a shrinki g of the opening to one third its normal size I 17 cases of peptic ulcer the chief symptom was the development of a paroful induration in the region of the gastro inter ostomy fistula In 15 instances diagnosis was con

firmed by subsequent relaparotomy Either snother gastro-enterestomy jejamostomy or finally an excision of the whole ulcer was done at the ensuing operation The results show that the growth of a piptie ulcer presents a very serious complication even seperated operations am useless and many base at last succumbed to the peptie ulcer Inquiry into the cause of this condition shows that a high hydro chloric value of the gastrie juice must be mentioned first In some eases the patient has had vascular disease Care in the after treatment of cases may go far a the prevention of peptie ulcer but for those cases already declared escasion to the best treat ment as in the expenence of the author neither gastro enterestomy nor jejunostomy are sufficient in themselves and in many cases both operations combined are I no avail

Of 53 cases operated by excusion o died, 41 were cured one improved and afterwards relapsed and a were unreheard. In a series of as cases where sejunostomy alone was performed 12 deaths oc curred but this bigh mortality was due to the fact that the operation was performed in the wealest and worst of all eases, so omplicated that nothing else was possible

ton Lucisberg's experience permits him to his down the following rules for the choice of method of

occution I or acute perforation the best method is the earliest possible lansrotomy with irrigation of the perstones eavily and closure of the perforation I hether a gastro-enterostomy should be done after wards depends on the situation of the ulcer and the general condition of the patient. In hemorrhage, overstoon is not indicated. If hemorrhage is severe the especiant trestment is the best but if it has

stopped for the time being un operation should be performed at once before it recommences. s In typical stenosis of the pylorus, gastroaterostomy is the operation of choice although it is not a complete protection sgainst continuance of the bemorrhage as early half of the deaths fol loning gastro enterestomy are due to that cause However, 60 per rent of cases of pylone stricturs are completely cured by this operatio

3 Un isteral pylorus exclusion should receive especial consideration if the ulcer is still fresh sod causing much pain and in cases of duodenal ulcer

1 High scribty of the gastre junce favor g the 4 High sou development of post operative pept e ulcers detract much from the value of gastro-ent rostomy and exclusion and should be performed only where there are pecual andications, and not in cases where the symptoms are not severe

5 In cases of tilre saturated at that are from the polorus, transverse resects n offers the best superion of mahanano it is a sho the correct superion where there a high acidit) and when the ulcer h a newaded in ighboring organs. When t ans erre resection re not be do e Billroth s method ho, a should be employed Billroth

605

method an r is third in order to be considered while partial excision is to be entirely rejected 7 Jejunostomy is feasible only in the extreme

cases—as when the patient is so weak that he must be fed immediately after operation In cases of peptic ulcer it is the easiest and most rapid of all operations and it leaves the stomach undisturbed

The technique of gastro-enterostomy as peacticed in von Eiselsberg's clinie is that after the method of Hacker 1 e retrocolica posterinr witbout any length of bowel hetween the stomach and jejunum suturing is done after the manner of Wulfler Atten tion is called to the importance of properly suturing the sht in the mesocolon. In pylorus exclusion the stomach is divided het ween two clamps by a Paque lin cautery and both proximal and distal ends are closed with a continuous suture while the clamps are on When a transverse resection is being done it is necessary to supplement the longitudinal incision in the abdominal wall with a trans erse one in order to provide sufficient room. In doing a jejunostomy the principle of Witzelschen is followed and one point is especially amphasized a g that the catheter should not be introduced into tha intestine at any point lying higher in the abdomen than the umbilious otherwise it might lead in a kinking of the intestinal loop E K A serrao o

Beck, C. Plustic Operative Viethods on the Storn nch M & Her Id to 4 NENU 5 By Sure G nec & Obst

In 1904 and 100 the author mad some expen ments with Mexis Carrel to perform an operation with the intention of making a new route fr m the pharynx into the stomach The upper part f th s new tube was made from the enophagus which was cut across two to three inches below the jugulum The lower p t of the new tube was ga ned from a flap alongs de the large urvat re of the stomach These two tubes were mited und r th sk n of the thest and healed t gother. The pecum as from the e periment we e demonst ated in 100 before the Chicago Medical Society Sinc that time the Roumanian author Jian has lescribed the same operation n 1004 and it has been known n the hterature und r h n me Lately the autho has re ersed the fl p of the large curvature in his experiments and inst ad of tu ning it upw rd to reach the asophagu turned it downward to insert it into the jejunum. The makes ew method of gastro intestinal anastomo

Stenart F T AM shod of Subtotal Gustreet my t SrPhi 8 4 By Surg Cynec. & Obst.

m thod f procedur nsed Stew rt lesembes blot I ga treet my w tho t ly has for dong u h w y that the sut rape clamma a 1 do necessary t u te ih tomach and ntesti completed before 1h rec ss is opened

The tent th pras are follow

Ligate gastne artery at upper end of the proposed line of section of stomach

2 Tie off the gastrohepatic omentum

Ligate the left gastro-epiploic artery onealf anch on each side of proposed line of section of stomach

Tie off gastrohenatic omentum

s Make opening in transverse mesocolon and draw the upper segment of the jejunum into the lesser pentoneal cavity Five guide sutures are in serted in the following locations

The first (A) is passed through the greater curva ture midway between lightures of the gastroapplose art ry and the antemesentene border of the sejunum The second (B) unites the posterior wall of the stumach about 3 inches above A to the jejunum Suture C is passed through the posterior wall of the stomach alone about one inch above B B and C are placed on the line through which the atomach is to he amputated. Sutures correspond ing in location to B and C are placed on the anterim and in the right B and D are drawn downward and to the left and held together C and E are treated blewise leaving the upper segment of the semnum surrounded by stomach and the anterior and posterior walls of the stumach hetween BD and CE in conlact

A seroserous suture is introduced from BD to A unit ing the stumach to the intestine (linen) Over the

is introduced a through and through catgut auture Grasp the greater curvature of stomach one half each from 1 fill the lesser perstoneal cavily with gauze Excuse the antemesentene portion of the nte time and incise the stomach close to the suture hae Then allow the stomach to straighten out lace clamp on the pyloric side of line of the section Complete the amputat on after approximating the anterior and posterior walls. Remove the pylone

port nn of stomach and in ert the duodenal stump The ad antages of the operation are I The e is less cutting to be done il is more

apid and less difficult than a posterior gastrocoterostoms 2 There is less chance of post-operative hamme

rhsge 3 There are no clamps in the way

4 Ther 1 less t as on on the suture lines and there is less tend acy to kink ISIDORE CORN

Martin F., and Carroll II What Rola Does Gastro Enterostomy Play in the Treatment of Gastric and Dodenal Ulcers? Radiographic Demon tration of th Functioning of the P. forus following Gastro-Luterostomy HJ 941 185 By Surg Gy occ. & Obst

The article consists of the report of a very interest ing case observations on conditions found and gastro-c terostomy in general together with a discussion of a series of A ray negatives showing the cond tion of the py lorus after gastro-enterestom;

The patient was operated on three times. Th

first operation was for gastric ulcer when a posterior shastomosis was done to the lower part of the ileum the second was exploratory and the third was a correction of the results of the first operation

The patient a past history family history and habits were negative Former symptoms acre those of pain in the epigastrium an hour after meals relieved by food vomiting of blood and constinu tion which followed a year of bad indigestion The first operation resulted in relief for a abort time but the former symptoms returned and were more pronounced Also at times, practically an entire meal of almost unchanged food was obtained with high enema There was some retention of stomach contents but no blood and no tumor It the second operation a mass of adhesions around the anastomoss was found and it was also found that the terminal ileum had been anastemosed to the stomach postenorly The patient being in poor condition. the appendix was removed and the abdomen closed At the third operation the anastomosis was severed a lateral appatomosis made in the terminal sleum with a Murphy button and the stoma in the stomach invarianted The immediate recovery was good Later observations show that aside from constitue tion the symptoms all disappeared and have never

returned In this case at the time of the second operation stomach penstalses which progressed thythmicsly to the pylorus in spite of the large stoma was plainly shown This explains the question of the nourish ment being kept up and the occasional ondigested

meel appearing in the stools The authors then take up the question of the

results of gastro-enterostomy in ulcer cases and show that fully 45 per cent of cases ha e recurr of Barclay is quoted on the stiology of the ulcer showing how from various abnormal condutions in the totestinal canal, a spesso of the atomach ensues I assuge of food causes an abrasion giving rise to a condition that cannot resist the gastric place and an ulcer is formed which in time perpetuates the spatm

Gastro enterostomy influences only pilone and duodenal ulcers and that in two ways () sidetracking the gastro contents and () permitt g the reflux of liabne intestinal junce to neutralize the acid gastric juice. This has no effect on ulcers located in the fundua lesser curvature or chembere The results of gastro enterostomy done for syncture of the pylorus due to tumor or overgrowth are the same as those done for pylone or duodenal ulcer

The idea that gratro cote ostomy is a drainage operation pure and simple is shown to be a fallacy as long as the pylorus is patent. The hydrostatic condute a in the abdominal cavity absolutely pre vent this As soon as the pyloric spasm is removed by the healing of the ulcer the gastric contents follow their former normal course and the old ulcer site is

again open to trauma Martin therefore concludes that (1) gastro-e ter ostomes are useful only in pylonic and duodensi

ulcers accompanied by pylonic spasm (2) are of no value in ulcers attracted in other places to the stomach (3) when the pylone spasm relaxes the artificial stoms closes and thereis present a tendency towards reformation of the ulcer

The high percentage of recurrences, the serious and ever present complications and the fact that o per cent of cancer cases give previous ulcer histories, Martin hebeves warrants the excision of the ulcer and also indicates the operation of pylorec-

tomy which he strongly advocates. He not not believe at the operations of pylone occlusion nor

the method of von Eucliberg The article concludes with a short discussion by Carroll of a senes of six A ray studies showing that, given a patent pylorus the gastric contents will flow through the natural channels rather than the artificial

In every senra a hismuth shadow is seen in the duodenum the amount depending upon whether the picture was an early o a late one

PRILLIPS M CHARLE

Bastjer F II., and Friedenwald J On the Diagnosis of Incompleta Forms of Pylone Stenosis by Mesos of the X Ray Badon M 3.5 J o a theo, sor By Surg Gyare & Obst

The authors point out the difficulty of disposis us early pylone stenous and show the value of the tay negative to such conditions

lone stenous can be divided into two classes (1) those cases with pronounced symptoms and [2 those in which the symptoms of retention an stagnation are only slight although both classes are often only stages of the disease in the same

cust The diagnosis of the first class from symptoms and test meals is usually easy while those of the second class are often overlooked or an incorrect diagnosis

In the latter rises penstales is usually absent, comming arregular and decord of the usual features of gastric stasis, and pain not marked. The pain when present appears two or three hours aft I meals and a temporarily reheved by food or alkalies Another marked symptom is the presence of gastric secretion in the fasting atomach on repeated examipations and this symptom s als ye adicative of

p) lone stenosis

The moulity of the cormal stomach sames gre t by and the best a thorntes have greed that the normal rate should be between three and sur hours

The authors advise a bismuth meal of one and half ounces of hismuth a bearbonate in an ordinary tumbler of water with enough scarse t make an

When there are obstructions with a the stomach, when there are observations with a the atomach, caused either by malignancy around the pylorus, or where with clearing or ideopathic pyloric thicken leg to the early stages, the A ray shows active contractions but a allow elimination of the contents and frequently a slight bulge g in the prepylone

region on the greater curvature caused by tha food being forced into this region faster than the impaired pilorus can handle it. The size of this bulging depends on the duration of the condition. Sometimes it is only slight but more often the pilorus is shown on top of the stomach pointing towards the splease region.

When there are obstructions from without that stomach caused by a mass or growth pressurg upon the pipons or dundenum or adhesion and the pipons of undernum or adhesion upon the pipons of the pipons

Adhesions from the gall bladder region so bind down the polorus and duodenum that the stomach contents are very slowly forced through the nar rowed lumen resulting in a gradual stomach dilation

Retention from muscular relaxation is caused by sluggish contractions so that the mere neight of the food dilates the atomach. The point of greatest prolapse in the center of the fundium. It is difficult to distinguish this condition from that due to pylone stenosis of long st inding but a comparison of this two \ xpy pilates will assist greatly a the differentia

In conclusion the authors state that the \text{\text{\$\text{\$T\$}}} ys a very aliable and in partial pyloric stenous in those cases in which the trouble is from within is especially valuable in cases where the obstruction is from without and emphasize the importance of \text{\$\text{\$\text{\$\text{\$T\$}}\$}\$ year, and always being tudged in conjunction with the climical space.

PRILLIPS M CRASE

Cote L G Relation of Lenon of the Small intest na to D sorders of the Stomach and Cap as Observed Rontgenologically 4n J I Sc 9 4 cxl m 9 By Surg Gynec & Obst

Cole undertakes to pro e that thus stasss and particul dy like dilatation are duretly r lated to and responsible for certain pasms and even organic lessors of th pilorus piloric sphinete and cap One is at one reminded of Lane and in his paper the author refers to the theories of Lane and the ro tennolone over, of [ords]

To igenopic sort or, a press to a complete easing the Solidary and the Sol

iening bismuth in fluid or cereal is a fallacy. An even more fertule source of error he thinks is dating the period of iliac retention from the time of ingestion and holds that time required for evacuation of the stomach should be deducted for accuracy.

In spasm of the pars pylorica that portion of the gatter limes in dispersion tately reduced in size and corrugated. Spasm of the sphincter may be inferred if the sphincter limen and cap is not visualized if bismuth has been seen passing freely from the stomach preposally and subsequently. In spasm of the cap the bulb shows the appearance of having been fivusted or wing reporty of its contents. Long-continued spasm may result in permanent changes causing contraction of the muscular cost of the pars pylorica or distortion of the cap similar to the changes resulting from post pyloric lier.

Ret atton in the stomach and cap may be due to inshibition of duodenal peratalsa and this inshibition may be the resoft of lisac dislatation. Rontgenologic evidence indicates that their stans or rather distation may be caused by (1) Incompleta evacuation or feed impaction in the excum or ascending colon (2) membraness and viris involving the colon colon (2) membraness and viris involving the colon colon (2) membraness and viris involving the colon term in the colon of the colon of

Gray F D 1 Some Observations on the Techn qua of Intestinal Anastomous, with Special Refer ence to a Modified Manusell Method T Am At Obs & Grace Bull b. 1914, Sept

By Surg Cynec. & Obst.

The uthor after briefly referring to the history of miestinal anasimous in which he shows that modero methods of anastomous wer vaguely forecasted by efforts of operators in the middle ages gives a skelerion outline of the principal aneties of technique practiced within the past forty jears — the roodero period

He then it we what in his opinion are the as sential requirements of a sound and generally applicable method of anatomous a secure we ter tight jout to be made as rapidly as asfety will permit and adaptable to advers as well as luverable surround; g abot to the me as well as luverable surround; g abot to the conder and lateral—pro-dring hermostass in the cut totestimal edges and leaving as httle narrowing of the lumin by dance formation as opening of the lumin by dance formation as possible.

Based on these requirements all mechanical aids or devices re ruled out a d the all suture tech nique of some sort advised

A discussion of the ments f anast mosts by a double or single through and through row of surfures follows, with co clusions in favor of the single row.

Conneil's method is then compared with that of Maunsell's, which has practically become obsolete but which the author believes could be profitably re wed with the substitution of a continuous locking or buttonhole suture of Laganstecher thread to replace the interrupted sutures advised by Maunsell and still described in textbooks

The interrupted sutures are open in several objetion which are obviated by the use of the continuous locking stitch which as a plied to the invagination method of Maunell has In eight recent race appeared to the author to furm h a quite ideal method of anastomos

Reder F 1 Remarks on the huntery of the Heo carcal Coll S 2 G # e 5 th 1 914 1 96 By Surg Cance 4 Obst

Reder maintains that the early liaguous of un in testinal lesion especially those I see necrous of tuberrudius is so me seasontal to the subcripation of a successful surgical invasion. Too often such lesions are interpreted as shron c appendicitis colitis or intestinal indigestion.

Such a diagnostic erior often loses for the surgion good opportunities negatis by influencing the result. From the unitors is presence he belt was every resection of the eleo-cale out should receive the most guarded consideration in matt; how thousable the cond time of the patient. Every clament of danger should be climinated and every late; for Jedye should be mobiled in this technique.

In his last two ileocareal resections Red e has in stituted a modified artificial axis with a happy

result. Il techniq e is as follo i.
The dri non if the duem should be uch a to gri
the bon i the necessari brittude to be brought with
out tenson in contact with the oll n t r nest the
hepatr if sure ' W less as inches of ideum sh ulid
be sacraficed. The nd of the doon is closed in the
sacraficed The nd of the doon is closed in the
tamportumly with a basing tit how a to sacial
miling unit of it affective contents while the cores
miling unit of it affective contents while the cores

tion is a progre

Value in a most than peans not less than three inch st made with the col. The end of the rest ted | m scur I to the abdominal wall is far lat | ly u sposs bith tuy buture displace m if the gtm jbe ti spated

The basing at 1 h n th il um is removed and u laula tube inserted t han of frecal matter and fastus. The opening i the mail intestin is of service for irrigation of the small how I shen accessivy. The large bowel n be irrigated through a

modified Paul tube
It requires ubout fiv to eight weeks? the iteal
opening to close to operate e measures of any
risk ure necrossary to aid in its oblite atton

Case J T Rontgen Examination of the Appendix

Case believes that the rarity of rontgepograms of the uppendix has been because of the frequency with which the busineth examination has been made in the erect rather than the reclining position. With the patient rechning on his back the tube under neath und the screen ubove and the excum held aude with the gloved hand or a wood instrument Case has shoun the uppendix in more than 100 cases To one series of \$27 bus much meal examinations, the uppendix had been removed from 64 patients Of the remaining 64 the appen his was demonstrated in 2 3 r just one-third upparently u high percentage until it is recalled that patients were examined because I ga tro-intestinal symptoms. In a ma-jority onstipation was prominent When the ahad wean be demonstrated it is possible to study the ause und length of the lumen presence or ab-sence of constructions or kinks adhesions draining (em; tying time) relation of the visible appendix harlow to 1 resoure pain point und the pos non,

proca al or retrocacal ete It least one examination should be made suffimently I ng after the besmuth meal that the sleum may be empty as a thin shadow remaining in the termiosi il um m y be mutaken f r the appendix It is to be presumed that when the appendix not stacif promptly of the bismuth contents the fact of the entry may be of little consequence but when the appendix remains twille for more than a day or th it is, in proportion to is poor drainage dangerous In connection with the suggestion that pethaps, in the c cases the presence of the bismuth might be u included to health un inquiry was made as in the fat f th repetite doses of hismuth. In the esminat n of her who were being go in hom this fifteen grain does f r acuta gastro intestinal disease bismuth was found in the appendix in every case. In one as it was I und on the nineternth day after th last dose of bossuth. The conclusion seems warranted that the danger of b smath entering the append a and by rem ining th re causing acutr uppendicit is of greater when gi eo for \-isy examinat n thun when given therape teally Leen wh a the uppe da is not shown the \ray gs es definite unf mation us to b ther or not a render area councides with the shado f the lower D R Bouls inne bonier of the carcum

Gunn J \ ad & hitelocks, R tt A Observation on th Movements of the Isol ted II man bermiform Appendix. B 1 J S r 9 4 B burg type, & Obs

It is a will kno n fact that several of the organs of instmath may be removed a d kept f r limited time in many genated Lock soft tion without showing a r movements whatever. If were to the solution is rused to the body temperat and oxygenated the organs all show hythm contractions. Working along the sam has the utthors studied the movement of the isolated human

The method used was to keep the appendix m Locke a solution until the experiment was to take place. The appendix was then su pended in a bath of Locke is solution at a temperature of 31 in 35 C wh on year bubbling through it. The appendix was ampended hetween two hooks the lower of the solution of the lower of the solution of the lower of the solution of the lower through the solution of the longitudinal mustle of the appendix.

It was found that the appendix normally shows thy theme contractions very similar to the contractions of the enervated colon of the dog that is regular strong contractions lasting from 10 ta 40 seconds each. Supermposed on these large contractions may be seen smaller ones not very regular but having a mid-judial duration of 3 to 1 seconds.

Examination of the rabbat a appendix in Locke solution aboves a curva of contractions very similar to that obtained from the human appendix Examination of the movements of the rabbat appendix in it for given a similar result to that in Locke a solution it is seems fair to assume therefore that the movements of the human appendix which are not solven in Locke as the movement of the human appendix which are normally in Locke solution are those which does normally in Locke solution are those which does normally in Locke solution are those when he could not contain the contraction of the contraction

normally a si as made to discover the unservation of a sproade. As as all those the large relation to the special of a special case and the special case and

Mort S. Gangrenou Appenduct with Coprolith Abacess Septi Peritorutus, Intestmal Obstru tion Rupture of Intestin and bistula G g M J 9 4 ixxm 85 B burg G, ec & Obst

The author r port an irresting rase of appendic cits which was compli ted by testinal obstruction and pent mi. The p te t boy of 5 was seld, there dy a bef er oper tion. When the abdonern was ope ed p a poured ut. The ppendix was glound to be gangerenous the whole organ because well in the distribution was distributed by a copposed that the time of a small date sere! A portion of the oment m wa removed because of gangrene. The way und was dismetered packed and draumed

The prient progressed nicely for the day when complications set in The temperature rose to og and the pulse reached 14 Two days later

there were signs of peritoritis the temperature dropping to or and the pulse rising to 140 At operation a median incision was made and pus flowed from the wound. The pus was located in the rectal fascia. On opening the peritoneum a small amount of ascitic fluid escaped. The intestines were inflamed and matted and hetween the coils there were sacculated collections of pus Most of the costs were distended but on the right side there was a collapsed and flaccid small intestine one loop of which had fallen into the true pelvis. A hand of omentum was found passing round and tightly gripping the loop of gut When the amentum was removed a rupture two inches in length was found in the intratine. The opening was closed by continuous Lembert sill suture and the perstoneal cay

sty was will packed with dry todoform gauze. For four days the patient did not improve. The intestine was opened again and the contents poured abundantly from the upper part of the waund. The patient then began to improve. The fistila closed in twenty two days and a mouth later he was declared cured.

EGWARD L. COLMELLOWERS.

Bainbridg W S Operative Findings in Twefve
Cases of Chronic Intestinal Status I im
Its Obst & G Buff to 9 4 S pt
By Surg Gynec & Obst

The one important part of the output of graft from the mull of controvery and discussion which had been built up around the theories of Sir W. Arbuilt multiple of the control of the state of the earliest of the death to the earliest of the death tious intra abdinumal structures—evolutor by hands—and of the condution of status which they cause—toud these two flats and of the condution of status which they cause—toud these two flats and of the condution of status which they cause—toud these two flats and of the condution of the conduction of the conduction of the conduction of the state of the conduction of the conduc

It is import not to attudy the human digestive canal as a great drainage sy tem and to consider this system as a whole emembering that defects in one or more parts re pt to derange the entire plant.

The author presented a series of easen as illustrat one of the following points

The possibility of making the diagnosis of chronic intestinal atasis by clinical examination

alone without the aid of \ray o fluoroscopic study
The verification of the diagnosis by the dis
cover), at operation of the hends and the links
3 The discovery in certa n instances of condi

tions which may be interpreted as corroborate a ideace of the correctness of Lane a theory regarding the possible remote effects of chronic intestinal atasis.

kohn H. Multipla D verticufa of tha Larga In testin (Uber di multiplen D rukel des Drek darms) Berl H R kerl H 9 4 li 031 By Zentralbl. f d. ges. Chri u 1. Grenigeb

The author first discusses the scanty historical data avail bie in regard to this interesting and little known disease and then takes up the rhuncal parture

adhesions

the timeral agmitican of divertizations of the large intestine is, to titted slaght but very savere complications may result from it such as stass of large, and decomposition of the intestinal contends in it e divertigation and the titted state of large programments of more than the supportation and perforation generally not more to the supportation and perforation generally not one formed in it is large than the large that the support to the support of the support of the support of the support to the support of the support

Three cases are described in men liming to to 6 person sing or three en adaptions of appendix this was made and operate to performed follow d imme had seen to be some and the performed because in misosable carrantons of the segond theature was su perceit. The past set of different personal to the personal three was superior to the past set of the personal three was superior to the personal to all three evaluations of the second theature was superior the past set of the personal to the personal to the carried which the first saw the himself of the personal to the first saw the himself of the personal to the first saw that the personal to the perso

a force natural time.

If discusses the diagnoss based on these the cases and posate out that in ry 1 whitel case of the cases and posate out that in ry 1 whitel case of the cases of the cases about the thought that the cases of the classification of the cases of

ten on of the int t it with the t testinal walls.

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Satistion in the position of able musal see a within humin hould not be matered bound. The large int state with state borth red to ach sag agilout in basele fit of their states that the more joined a small intestine. If I gro must be made and the classification of the distribution of t

liy the ra um is me of the head of the choir exceeding the a um teeff lenge only imm s to sinches in length. It has most important function in assumistion. Reasoning from aslong, professibly the functional acts my of the in main shall of the large infection concerns and made in the carms or along the concerns of the concerns and shall it is the carms or along the concerns of the carms of a shall in the carms of

products, thrown 10to the large intestine may be absorbed with deleterious effects, disturbing the metabolic halance

Maind and others object to the term autoriation and propose to andratute authorica tona. If has not been also in that all of the tone products are due to if ction an parcetly some are executally chemical. Glasdular secretion of the control of the

Commenting on the physiologic basis of Lis a joiner work the author states that decolosions i some time unastast (topy on account of the hill go of the blind end due to reversed perstalais. Com plete coleriousy is a sen us operation on account of m at of the entire omentum which aubsequently may give rue to eatensys (troblesome protestinal

Remo al of teo tuches of the ileum cream scending culon bepatic firsure and a portion of the transvene color is a saturatory operation Cases are rare in which such an operation is indicated. The entire adopted is in the experimental stage and haste must be made slo by

l ardennols, G Total Colectiony and Subsectal Colectoray t Operatt a Techniqu (Colectorae t Jale et colectorae autocacle trelanque colera-

t tale et colertome nouemente trahaque offretore) I d he ott au yot
By Surg Cyner & Obst.
The author ducunes the technique of each land

of) paral r extons; but does not enter into a discussion of indicat on III thinks the method wid by 5 r Virbuthand Lane can be improved upon me eral pan culars. I he improve ment as r () separatin nof the great omentium I not the transience toulon and mencolon I 2 roc servation of the great omentium I position while the least not a service of the part of the service of the serv

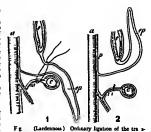
These are due for all antages dissecting the great om name. In the first pic en tuolates the trans ere misocolon a thus laye of cellular tusus on which are lessing utuned the right of left cole arteries, forming Riskin areth. The threes having been followed up to their secun only three legistrates of live or agast accregation on only three legistrates of live or agast accregation on only three legistrates of live or agast accregation on only three legistrates of live or agast accregation on only three legistrates of live or agast accregation on only three legistrates plants are supported to the collection of the legistrates layer and live or legistrates of legistrates layer agast legistrates layer agast layer and live or legistrates layer agast layer and live or legistrates layer agast layer and live or legistrates layer agast layer agast layer laye ed painful for a long time after the operation even when covered with peritoneum Moreover when the mesocolon is sectioned near its origin it leaves only a small incision situated deep down so that no peritonization is a cessary Ligation en musse of the mesocolon and great omentum offered another disadvantage It brought the greater curvature of the stomach into juataposition with the transverse mesocolon the right and left cohe arteries and the duodenoie unal angle The tension caused by the heatures and the excatricial retraction following the operation aggravated this condition and doubtless esused the gastric troubles that so frequently fol lowed colectoms The dissection of the om from the colon also facilitates the liberat n of the flexures of the colon. The fle ures are ach fixed the left one higher and more firmly than the right by a thin broad fibrous ligament extending from the lateral parietal perito cum to the upper edge and anterior surface of the colon. They are exactly in a hae prolonged from the great omentum Wh a the latter is dissected and raised nothing is simpler than to shp the undex finger between the musocolon and these suspensory ligaments - which re fibrou and nom ascular - cut them and lower the flexures If the omentum is not dissected the beaments cannot be cot without risking the vessels of the mesocolo underneath Lane himself once had severe hamor thage which could be explained only in this way

names wan resout be explained only in task way. In our continue of everythe its a they na holomouth at the more time of everythe its at the na holomouth at the name of the pertoneum indicate the But even if it has to he sacraficed I should be sected previously for the reasons just go en. Your of the patterns have abone sugar of inflammation of the outernism and none patter I who had to have not also the content of the patterns of the patterns

With a little practice dissiction possible eve if there are adhesions and pericolitis if the ment in is ot absolutely contracted and cicatricial. The most that 1 risked is the lex ring of some fragments of the posterior fold of the omentum adherent to the mesocolon and as all the impo ta t vessels run through the double anterior fold and as this alon is fixed to the greater curvature of the tomach that fact is not of much importance. The author does not practice colectomy for simple chronic intestinal stass if the colon is perfectly normal. H. helieves th t such colons m., be restored to normal function by medical treatment and possibly by a palls to e operation He performs colectomy only when chronic colitis has ca sed degene ation f the walls of the col n and uch eatensive adhesions that their destruction wou d he difficult and almost certainly followed by recurrence This shows that the senara tion of the ome tum and colon can he practiced in

patients who have dhesions pericolitis and even epiploitis

Lane oper t s in the horizontal position but the nuthor prefers the inclined position for the purpose



erse mesocolon with the great conentum Bad techniq e Fig (Lordennos) Proper ligation I the transverse mesocolon with the on tum dissected off and lifted up Good technique

of getting the mass of the small intestines out of the way and securing more perfect isolation of the field of operation Subcarcal collections has distinct advantages over

total colections. In the latter in addition to the pain from the laptation ex susza and the turntium on the stomach by the creatment constitution of the mesocolon there apt to the excessive durrhers and refux of gas into the small intestine. The tuning of the small intestine is suppressed. This is one of the reasons why the author is inclined to question the alther of loss prosociously—Lane as wherein the contract of the productions of the state of the productions of the state of the production of the state of the production of the state of the

The lact that the exerum is prolapsed distended and too movable doe not occessarily indicate that it should be sarchiered Instead of hung that the trouble as is so often assumed in more apt to he the veium of coluis of the adjacent segments distended because of the trouble as is so often assumed in more apt to he the veium of coluis of the adjacent segments distended because of that defective function and degenerated from progressive site amount of subversal colections and typhological motions the heurit contents of the execum are easily escausated.

A execum well dramed into the aigmond can cause no trouble and there are movinates in retaining it usels there are marked leasons of its walls. The general direction of the small intestine is manidirection of the small intestine is manituded by the small intestine is made in preserved the last few centimeters of the item preserved and the small intestine and type and of the small intestine into the large in preserved themset the valve of Bauhm which regulates the

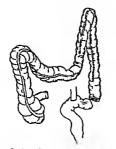
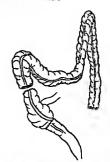


Fig 3 (Lardennous) Total colectomy fleorizmond implantation

function of the small intestine and offers a barrier to reflux Moreover in retaining the cacum we pre serve the second tomach in which the greater part of the starch and cellulose is digested and which also furnishes a safety chamber in case of sudden reflu from the sigmoid Lane's partisans object that in pr serve g the last few centimeters of the ileum the risk f les ing a Line s kink is taken In the first place these band are extrem ly rare and in the second unless they are ; ry ma ked they cannot interiore greatly with the e acuation of the small ntestine if the carrum is well drained. At any rate if the surgeo finds such bands he may destroy them ont by cutting them but by separat ng them at their insertion into the intestine which will prev at recurrence The liberation of the carcum which is necessary for its ana tomosis with the sigmoid would free the intestinal insertion of a Lane Link It has been held that the if there should be o excum should he ext spated because it is the pl ce in the ntestine where bacteria are the most presalent but it would seem that a cucum regularly exacuated would be disinfected moreover examina tion after total colectomy has shown that the bac terral flora normally inhab ting the carrier t Lt u their abode in the terminal segment of the small intestine. It seems desirable therefore to preserve the carcum and the adjacent portion of the ascending colon unless there are distinct cont a undication

The operative technique is described as I flows I in total colections, chloroform is to be preferred to their amenthems because it is more profound. The patient is placed in the homostal position, the operator on the right side with his two assistants opposite him. The median mass mis of



Fg 4 (Landenness) S baseal colectomy Fad toend typhicogenous anastomous after resection of the base of the occurs.

to 22 cm long, one third of it being above the umbalicus (we third below The abdominal cavity is inspected carefully and a Ricard's retractor will a triple val e taserted The great omentum and colon are brought outside the abdominal cavit the cas ty being protected with compresses. The omentum is lifted The line of junction of the omen tum and colon is marked by fine folds in the pen The assistant pulls the omentum and colon in opposit directions Leeping the omentum pread out on his open right hand while his left hand twists the colon from above do o ard The operator taking the omentum in his left hand passes a bistoury over the fine folds along the line of junc tion from the left to the right e d of the transvene colon. The pace is thus opened up and the opening us enlarged by the finge the assistant holding the parts aside as they are separated The dissection commences on the colon and is cont ucd on the mesocolon becoming easier as the stachment of the merocolou to the posterior wall is porosched Soon the omentum i lud aside t the pper s gle of the wound and the whole sope so s riace of the mesocolou a exposed to view 1h left inde finger following up the mesocolon comes t the uspensory beament of the spience fie ure which be ng non vascular can be cut by the bist 1) with ut a y danger to the mesocol n or its seels. The splenic flexure is thus detached and I wered The disse tion of the parietal perstoneum is the followed up toward the media 1 as fa as desired

The right flexure is freed in the sam manne as

the left. There may be some adhtsions around the gall bladder but they are easily broken up The transverse colon with its mesoco on is lifted up and the omentum is replaced in the abdominal eavity Then the arteries are seen outlined on the thin mesocolon. A ligature of No o catgut is placed on the right colic vessels, then on the accessory right colic vessels and a third on the left colic vessels at the place where the privic colon is to be sectioned lizemorrhage may be prevented by placing amali Kocher's forceps on the peripher il ends of the ligated essels and cutting the mesocolon between Riolan s arch and the parietal insertion of the mesocolon The transverse ascending and descending colt lreed from their mesocolon but remaining fixed at the extremities by their continuity with the execum and the surmoud are lifted up thus forming a great arch The patient is then placed in the inclined position which takes the mass of mail intestines out of the way The place for section of the colon is selected A small I gature is all that a necessary for harmostasis of the mesocolon. The atestine is crushed with a Doyen a forcers and a ligature of to I silk is placed here a strong forceps - not a clamp under which the intestine | p. - being placed just above The colon is then cut with the thermocan tery between the ligature on the lower end and the forceps on the upper. The upper segment is placed outside the field of operation, and the lower end is closed with the usual precautions. The cac m and the termination of the small intestine are then freed from any adhesions that may exist Ifamo tass is accomplished by ligation of the ileocolic The incision of the ascending mesocolon is prolonged in the mesentery to the por t chosen for section of the ilcum A strong lorceps is placed on the distal end of the ileum a smaller forceps firm but not heavy enough to prod cc traum on the proximal end After the nte tinal conte ts are pushed back, a clamp is placed for safety a few centimeters farther up S ction is made with the thermocautery and the distal end of the ileum is thrown out of the fild foperate n The removal of the colon is completed

An end to-side anastomosis is made het ween tho deum and a gmoid according to the ordinary rules The dissection of the deocolic mese tery has left a dap of mesentery which it is well t suture to the posterior peritoneum with a few fine catgut sutures to prevent the formation of a dead space as well as to fix the e d of the deum Lane drains the unastomoss and afte the oper tion is complited he introducen a rubbe tube the uze f the lttle finger through the a us nd rectum It s passed up through the anast most 1 to the terminal portion of the small 1 t stine and projects bout 15 cm out side the anus L ne long xperience has doubtlese shown the tit is better to d aim directly than to leave the patient s liject to an intrimitent psinful diarrhoxa. The utho also thinks that this tinhe has the ad antage f pre nt g movements of the small intestine over the anastomous which constrict the end of the deuto and that it thus prevents the patodil spasses that be has observed for several webs after the operation. Perhaps this drainage also prevents distention above the anastomous and thus makes it more secure. The this is excussing spontaneously by the patient. The omenatum is respontaneously by the patient. The omenatum is repail it downward. In some cases he has attached it loosely to the antenor wall of the abdonen to prevent its pulling on the greater curvature of the atomach. The wound is closed without drainage

2 The first stages of the operation are the same as for total colectomy Section abould he performed first on the end that is to be closed and last on the end where the anastomous is to be made. Section may be made with the listoury but the author prefers the thermocautery The place chosen for section of the sigmoid is arialile depending on whether an end to end or an end to side anastomosis is to be made The caliber of the sigmoid determines the question if it is large the end to end anastomosis is ideal Flaccial, atomic pel ic colons are eminently adapted to end to-end anastomous In one case where marked spasm was recognized chimcally the pasm was overcome by small irrigations of bella donna given two days before the operation and on the morning of the operation. The appendix is generally rerooved before the base of the excum as resected \ clamp is placed on the carciim and another on the sigmoid a few centimeters below the section to order to prevent reflux. The hase of the excure is resected and then the anastomosis is per formed according to the usual rules. A tuhe may he used as in Lanc a operation The end to ude a nastomosts is the same except that the excum is implanted into the side of the sigmoid

Bookman M R. Congen tal Mallormations of the Rectum and Anus \ 1 M J 9 4 c 415 By Surg Gynec. & Ob t

The arms is first noticed in the early weeks of the embryo as a dimple in the epiblast and is known as the proctodeum. The lowermost portion of the hand gut which eventually forms the rectum and sigmoid is separated from the proctodeum by a thin septum which norroally disappears about the fourth week of intra uterine life leaving those structores in co tiouity At the time of fusion of the anal depression with the hind gut it has open 1 g into it anteriorly the urachus and posteriorly the intest ne This is called the cloaca During the accord month of development this cloaca is divided transversely by a septum which later forms the penneal body Persist ace of the fortal open ings result in the various congenital fi tule while the non disappe ance of the septum between the proctodeum and the hind gut constitutes the salient feature of imperforate anus and rectum

The samplest forms of rectal mulformation are hadded comparate ely easily but with the increasing distance between the proctodeum and the lowest portion of the primiti e rectum greater difficulties are encountered. In case where a septann is found the use of an exploring needle greatly facilitates matters and when gas or meconam recapes, at serves an a guide for further dissection. Imperiente an are best treated by a vertical fucusine over the personnel and appeared to the found of th

Rectovarinal and recto-niterine fistulæ msy be repaired when the child is older het recto-searal and recto-neteral fistulæ should be a paired as soon as conditions permit for when olon bacilla appear in the stools, ascending infections of the unnary tract are common. E. A. sausten on

fleyd C.G : A Procedure for the Repair of Accidental Injuries to the Rectam 5 g 60m of

By Surg Go & Obst Obst 1914 317 54 The author draws attention to the frequency of accidental injuries to the rectum low down in the pelvis and incident to the redic I extirpation of the uterus and adness for malignator. The technique agmoidnectal anastomous A fairly rigid rubber tube about ten inches long perforated near its upper end is introduced tato the rectum through the anus, and attached by means of a to a bromic transfixion sature to the anterior rectal wall about Upon gentle one half unch above the totary traction on the tube the two ups of the rectal def et are approximated and satared with to a chromic catgut Lpon lurther traction a partial intuitus ception of the anterio rectal wall is produced where hy two peritonesi sarfaces are brought togethe with n right angle Cushing sature of Pagenatecher thread The apper portion of the rectum is mobilized by two pararectal incusions thro gh the pentaneum Gen tle hat continuous traction is exerted by suturing the tabe in the anal margin The tabe : rem sed at the end of fi e days

LIVER PANCREAS, AND SPLEEN

Chency W F Syphitis of the Li er imitating Circhosis im J H 5 q 4 cxl 57 By Surg Gyner & Olst

Cheney's report is hased apon an eases i w of syphilis of the liver one of arcinoma of the liver diagnosed as syphilis but proved by autopsy to be carcinoma and a case of probable syphilis of the liver still under treatment.

The first case is int resting in that operation was performed for turn of the lower abdomen accompanied by accies. After hysterectomy the

lives was felt to be hard and nodular and the pathologist report of section was syphilitic criticis. Mittr operation the patirnt developed hydrothers as well as notices. The Wassermann test shows reaction of blood and ascitic and plearal fluids wen triple N. positive Intensive specific treatment histories as studie because of the great desirention therefore the studies of the great desirention.

of hier proved at satopay.

Tom the climical data the second case seems to
be a case if asphilis of the hier and pancreas, with
a small liver and a large spleen. With intensive
specific treatment the patient has been greatly bene-

The lavere in this sames of case, were both large and small and the enlarged in a on palpation have appeared smooth and a err usually gaite tender

Chency concludes that n any case which appear in the carribosa of the liver the blood should shruy be examined firs spibilis and if the Wassermann reactions is positive a varyous pecific treatment will uften produce man-doles improve men! In cases with positive reaction liver disease minicipation of the produce of the produce of the cases with positive reaction liver disease miniof no axial, but the therapeutic test will pre-vidolde information and will do no harm

TORR WAR ER HARKES

Wyard S: A Case of Congenital Atress of the Bile-Ducts. Lones Lond to 4 hum 405 By Surg Gines, & Old

The case is reported of an infant, which was nor mad at both him became justedned when there excluded by their four months old she developed souffers a rath repressily around the same ab passed clay-colored stools. The liver was made leading the state appear could not be felt. The mother had had fove other children who acreal well, and had had one uncarrange are years premous When the infant was ten months old a little fire fluid was found in the perionesal as my which gradually increased in amount. The guarden became more untrines and the child deal when our

The author dacusses the pathology and etology of this condition, gwing in detail the post most mind gas in this case. The vinus of the below were ind condition to the condition of the condition

the cystic doct was lost in the gastrohepatic omentum and could not be traced to its junction with the common duct. The spleeo weighed three ounces

Microscopically the liver was extremely and markedly fibrosed. The normal lobulation asentirely lost and the hepatic cells showed all stages of degeneration. There was a slight degree of fatty

degeneration.

The surbor believes that the condition was due in a cholangus A gastre enterins traveling from the duodcmm up along the common bale-duct would be capable of producing all the appearances found if a sloo believes that the same agent which caused the ascending cholangus at the blood through the three instances of the capable of the capa

EDWARD L COR REL

Jackson R. II Anterior Choledojejunostomy

w th Report of a Case 5 g Gine & Obst to 4, xxx 232 By S 7g Gynec & Obst Reconstruction of the common bile duct in man is often disappointing in results owing to the debilitated condition of the patients and the path ologic alteration of the surrounding t sauca Reestablishment of a physiologically active hile duct in man has not been placed in the category of well tned surpeal procedures with definite indication and technique When essayed for the first t me there is apt to be an undue amount of hesitancy to the performance of the operation with a great deal of doubt as to its eff ciency when completed These considerations led the author to adopt to h s second case the simple maneuvet of utilizing a more mobile portion of the intestinal canal than the duodcoum to its shortened and somewhat atroph ed condition - the result of previous pylorect my - offered A loop of jejunum - that portion embraciog to first eighteen inches - w s brought up in front of the transverse colon and the stump of the common duct united to it by a small-caliber rubber tube inserted toto the stump of the duct nd fastened with a hoen statch the other end of the tube be gr serted unto a small opening 1 the bow t the w ti of which was theo folded over the tube and as much of the duct ss poszible - about ne half inch The lateral surfaces of the jejunum were then ahraded and tacked to the adjacent u faces of th liver and pancreas The patient mad n un otful con valescence and nine months afte operatio cont nues to he in good he ith

Oaler W Spienectomy Lear I Lond 9 4 Ix 350 B Surg Gy ec & Obst

Osler states that cf mc ! per mr has nabled the profession to recognize rer in groups of axes in which spinenciously c o be done and other groups to which it is co t indicated in the latter class should he placed all axes f le Leou — no good results having followed it use here also cases no which the pleen is e la ged but in which there is

also disease in the livet and also in case of as phditte enlargements in the spiece has regards the latter group however it is thought possible that spleno megaly of congenital specific mign in children might be successfully treated by splenectomy

Splenectumy is indicated to the following three types of cases (1) Cases in which the spleen has been enlarged for years but the patient is in good general health. The benefit of such operation accrues because such cases if notreated often go on to chronic anamia there may also be leucopænia enlargement of the liver and even jaundice and ascites (2) In some cases of Banti s disease (3) In children in those cases in which the splenomegaly is acute and progressive. There remains a doubtful senes of cases to which the removal of the spleen may do good such as some progressive forms of pernicious anamia Addison's disease hamolytic sauodice Lala-azar and primary tuberculosis of the spleen DO ALD C BALFOLS

MISCELLANEOUS

Dea er J B Tha Pathology Underly ng Abdominal Symptoma. J M Sec V J ni4 3 8 By Surg Gynec & Obst

One of the most notewarthy advances to medicine is marked by the enlargement of the group of organic d seases at the expense of so called functional disorders. This is especially true of diseases of the abdomeo One cause of many failures to recognize organic spdominal disease is the tendency to demand typical syndromes for diagnosis. It is important that particular emphasis he laid un the remarkshie variations from type which occur in the best under stood diseases. From this standpoint a survey is made of a recent series of 151 cases of gall bladder disease a8 of duodenal ulcer a8 of uncomplicated pancreatitis and 585 of chrooic appendicitis. In gall bladder duease the evidence indicates that the average patient received his infection to the fourth decade and so many instances much earlier so that this must be regarded as an affection of compara tively early years. In 10 per cent of the cases paid was never localized in the region of the gall hladder and in about the same per cent no tend mess was present Jaundice was absent to four fifths of the cases and it should be emphasized that to wait for this symptom would be to mas the great majority f cases of ch lecystic disease. The te t meal usual ly howed subacidity but possessed no disgnostic omf em ty the \ ray and fluoroscope were of practi cally no assistance

Similar conditions exist to Pripect to duodenal uter Class cale axes may be recognized from h tory alone but the majority do not soff min the classical picture. In the above series pase was been provided by the control of the principal of the principal cale of the

or easies periduodenal adhe sons, the relationship may be much obscured. In 15 cases only did the pain oreur it a definite period after the taking of lood. The ranty of vomiting and particularly of harmateness is exemplified in this screen. Hyperacidity was present in less than half the cases.

In chroric protrastits the sam tons from type and consequent officialities of typings are even greater than in the trix diring groups. A very interesting group in composed of cases of up 1 r also domin I find ge tion depending upon chrone a predictits. Of the 1855 cases of chrone a spendictit so were of this group. In none if the cases were the symitoms those of piend itsi. In 17 cases the pain was in the equations in a querit legall bidder in a tiwas contral and in 3 m the lo r also me in 1 gravest seem to 10 cases give a has none of the cases and the cases are cases are cases and the cases are cases and the cases are cases and the cases are cases are cases and the case are cases are cases are cases and the cases are cases and the cases are cases

cases simulated disease of the guil blad for other simulated duild nal ulcies. The gastic analy a presented to uniformity. Most of these cases were referred an imperated upon in the behal that upper abdominate disease was present.

The author de and i recent section of pour helpful in the differentiation of unusual case, b i concludes that there are groups of symptoms that certain by mean suppred loss use of the abdomen, has he is the one point with c it my to the eart sature of the trubbed to yet cases have to not make the trubbed to we cause a custance operation because of an intervent diagroups but many others have been long dem of the length of surgery because of the long dem of the length of surgery because of the long dem of the length of surgery because of the long dem of the length of surgery because the surgery and the second of the surgery large of

SURGERY OF THE EXTREMITIES

DISEASES OF THE BONES, JOINTS MUSCLES, TENGONS CONDITIONS COMMONLY FOUND IN THE EXTREMITIES

Narrozzi | Experimental and III tological Study of the Action of Calcium Salt in Jion Formation II tomo I issues de sal case nell osteogene i Narroh tremment is of take to be also de salt i 4 by Zantadh i d. got Dur i Crente b.

In too parts of lone a hi hire were egg part is photyboric midd 3 % of a len m 3 47 of a lone and 11 ye of a lone and 12 ye of

In the subcut neous counctive to use and the person in they assed a small cled infilled to mail out product g digner? I on of the time in a clook let y admail to the trease. Supplied to allower which it had he produced make the condition of the time with the one of the time with the format in I hart it reconsists. Whether the condition is the time and time the part of it wall run in the part of it wall run in the part of it wall run in the part of the part of it wall run in the part of the part of it wall run in the part of the part of it wall run in the part of the pa

The author she I wish red mose place in mens that the malith a print a manufact product of the results which was queckly trem in the long to a small

b is of calcium salts—ere seen much the earthings cells, wh re they had been agested by phagocytous I it e latter—fixamen

Schickele Ovaries and Growth of Bons (O anum ad knoch nwach (um) M and f Gebruh

By Zontralid I of gra. Cyraik in Gelmetals and Greaters The author reports two experiments on lemale do which how the iff ence fearly eastestion on the growth of bone In the first experime t there was o by a slight differ per in the length of the long bones in the castrated stumed and in the control animal and the epophysial lines ere iso the same In the second paramet two I make dogs from a bit r of th were astras I in the seventh neck while the third was used as a ontrol sumal the \$4 month the control animal was decidedly smaller than either I the cast ated animals, b t these ! " also varu I size whi h may will be attributed to th I ff sene in ra e of the parents. The epophyses hors were ossiled the control anumal and sull periment perf rimed arbe in e blats showed no effect of tration a th gra th of bone The generals were all as if delly trophical a the easte ted animal

Fay O J 1 Traumatic Parestest Bone and Callus Formation 3 g (see & Ob : 9 4 x 74 By Sur- Gyner & Obs.

1) reports as of it untale paroteel boar and call formation as how histology lexams in the —thr. of primary parostel masses and or returned in three histologic lexifies are reported in such action of any influent it has been consistent with the custome between the most net returned to most after the following the most net to it of a future that one and the call mass are the most interest knoher stations.

feature is the important rôle played by cartilage m the formation of bone The whole picture is that of a reparative process comparable perhaps to the formstion of callus in fractures and not that of an inflammatory process an ossifying myositis For this reason the author advocates the use of the term paroster callus instead of the misleading oppoliation ossifying my ositis While the present status of the knowledge of the growth of bone does not permit of an absolute statement us regards the origin of the callus mass, there seems to be much evidence to support the metaplastic theory a changed relation ship to the nerves a changed nutrition and a temporary lack of functional activity result in a transitory loss of the specific funct on of the cells of the intramuscular connective tissue and cartilage and bone are formed

The history of trauma and the clinical picture may suggest that the mass palpated is a parosteal callus but the chief aid in diagnosis is the \ ray the outlines of the bone shalt are clean cut and the shadow of the parosteal mass is separated from t by a zone of hight The time for operation a deter mined by the ripening of the callus mass as shown by the correspondence of the clinical and th pictures, and by the clear outbnes in the latter in early operation necessitates a co a derable sacrifice of these but if operation is postponed u t I the cells have regained the r normal function a conservate e

operation may be performed

Lett II Tuberculous Disease of Bone Ci By Surg Gym & Obst 0 4 xiu, 407

The author gives a statist cal and didactic ac count of hone tuberculous. The nterest g point in the discussion are summarized as f flows

r In a series of tubercular bone cases o per cent were found to ha e pure cultur s of the bo me bactilus

s The safe of invasion s in the great majority

of cases, in the end of the diaphy at) st below the piphyseal line but it may occu anywhere in the shaft or in the epiphysi o even n the perio teum True seq estra re frequent

Diffuse or localized tubercul r oste myelitis of the shafts of the long bones occurs with some frequency Radical rem al of tuber lous foct either by curetting or by a hperiosteal resection is ad ocated in som case F C Am za

Da Costa, J C The Causal Relation of Trau mstism to Tuberculous 1 S g Ph 1 0 4 lx, 000 By S g Gynet & Ob t

post on of some of th The author fre confusion and hew lde m 1 so off n pr sent d in the courts during the talls of dam ge stats seeks to answer the question is snjury ce a de t rmini g cause of a tubercul us I sion

The penod f gre test ! bility of joint and bone tuberculosis is during it first fi e years of life but is tare during the first y a More than half occor before the twentieth yes but uses in the middle-

ared are not ranties and even semiles are not symmune Demonstrable tuberculous of the lung is rare in cases of bone and joint tuberculosis where the lesson is supposedly primary active pulmonary tuberculous seldom develop-

Statistics show that a large per cent of all cases are directly determined by injury. The acquence is not of necessity a consequence. A definite tendency must be shown Many cases arise without record or sign of antecedent injury or joint disease

One school of surgical thought holds that bone and joint tuberculous is never primary alway secondary The other that while in most instances the disease is secondary in some if is certainly primary and in some cases injury is the direct determining cause of the disease. In such cases tubercle bacilis but not tubercles were in the part at the time of the accident or were carned there soon after it in the hody fluids coming from some distant and probably unrecognizable area of disease or having entered into the 3 mph and blood directly

after ingestion inhaling or moculation Vital resistance may be lowered generally or locally In a slight injury trivial transitory hyper emia follous Stasis occurs after more severe sames If blood contains bacteria more will be brought to the part during by persents and many of them will pass into the peri ascular tissues through ruptured essels

Bacteria passing into damaged tusues fend to remain and thus become true menaces. During the r prolonged stay - in sted by traumatism they hatter down cellular resistance by means of

bacterial poisons
Tubercle bacilli act in the same way they may enter the blood in many ways without product g disease at the port of entry Latent fesions tending to cure may be made active by some other disease

migury or may from time to time give bacteria to the system They may pass through the body with out producing any microscopical lesion. They can he a the blood the wasy or fatty material of the bacilius resisti g phagocytic and digestive action They have an affinity for special parts and tend to settle into them in injury tends strongly to localize them especially is this true of injury to certain bones. Slight injuries predispose more decidedly than sever ones. The hyperamia is too hmited to admit of the prompt arrival and accu mulation of phagocytes and alexines which does occur afte s more severe miury

Quoting Bosanquet Da Costa 5212 In a case of tubercular arthritis, if the reality of the accident is proved if from the time of the accident there continued to be some pain and stiffness in the part a d if the ymptoms suggest we of tuberculosis arise at a period not over three months from the accident we are justified in regarding the trauma as have g

been causet Traumatism is often a determ in g cause of bonc and articular tuherculosis in other regions. This view is held by numbers of able and eminent

clinicians and should be recognized by all courts of law

To deny the possibility of traumatic tuberculosis is to deny many of the truths of pathology and some of the plainest les-ons of clinical surgery

A C BACINGS ..

Williams, G Localization of Ostromy el tia, Especially in Adults B (J S g tgt4) 97
By Surg Gynec & Obst

The author reports five very interesting cases of osteomyelitis four of which are adults. In three of the cases there was a recognizable primary source of infection. He draws the following conclusions

These cases bear out the general idea that infection of hone is primarily one of the marrow and therefore the medullary canal should be explored in all cases in which & rays do not give evidence to the contrary

In adults the localization of the infect on is in the middle of the length of the shaft rather than at cather end

In adults the infect ve ostcomvelitis may be so subscute in character as to suppest a sarcoma rather than an infection in its clinical features

Geo I Barway

Barrie G Hæmorrhagic Osteomyelitis S g G nec & Obst q 4 tx 4
By Surg Gymec & Obst

Further intestigation and study confirm Barne s arker view that the generic t rm hemorrhagic ostcomychia con eys more exactly and precis ly the clinical macroscopic and mieroscopic findings of those s litary intraosseou lesions in the long bones that have heretofore been diagnosed as medullary grant cell sarcoma myelogenous grant cell sarcoma myelom medullary grant cell tumor localized ostentis fibrosa henign bone cy t trau matic solitary bone eyst tto

H insists th t the so-called medulla v ma t cell sarcoma occurring as a solitary lesion in th long bones is 10 fact a localized regenerative inflamma tory process a thout any evidence of malignancy The grant-cells present s e fo cign body grant cells that perform the part of scav agers th y are not tusue builders Going hand in hand with bone destruction from notestional inhibition and pressure necrosis are seen florts at renar in the formation of replacement hamorrhage granulation tousue

The author f rmulates a sample classific tion recognizing two dist net forms the chronic lesson assumes

T) pe A Chronie hemorrhagic esteomyehtis Type B Chronic fibrocy suc ostcomy chius

To type 1 belong the lessons that retain throughout their cycle the hamorrhegic graoulation t saue picture giving p actically no e idence of meta-plastic change. To this group belong the so called medullary grant-cell sarcoma myelogenous grant

cell sarcoma mycloma and medullary gam cill Inmor

Type B is o secondary stage of the hamorrhand form Here metaplassa has occurred the grapulation tissue has been converted ioto replacement or proliferative fibrous structure. With active mets. plastic reaction there is retraction and evst forms

To this group belong the so ralled beauto bone cyst traumatte solitary bone cyst and localized ostertis fibrosa

till of these lessons give a history of until trauma they are localized and so far as we know at present re non miective and are non suppuratt e

Smith, J F : Ostitis F bross Cystics II 914 m 9 By Surg Gynec. & Obs

The author cites various reports in the hierature of home cysts sod benign tumors of bone and also reports an interesting case of a woman aged twenty years, who sought medical advice on account of an plargement of the left side of the lo ct law of many years duration Two years pressous she had had a premolar tooth drawn the decisit evidently considering the trouble to be an alveolar abserts of dental origin. Insamuch as the swelling persuited the dentist stiempted to remove some necrotic bone supposed to be at the bottom of the fistula which perusted after the tooth was drawn This att mpt was unsuccessful When examined by the author the patient b d a marked deformity of the face due to the bulging of the left side of the lower law. Inside of the mouth a mass could be see which involved the left side of the lover ja panding the jew both t ward and outward. The mass was firm and amouth on palpation, no cracking or fluctuation being obtained \ ray showed a large mass consisting of a central soft area sorround ed by a thin shell of compact bone at the bottom of which a fully developed tooth could be sten

Som of the tissue removed by operation was submitted for examination and was found to be mucoid connective tissue Apparently there was inflammation but there was no evidenc of t mor formation hence the diagnosis was made of bone C V Jumes cvst of inflammatory origin

Berry J Clinical N tes on Mal an at Tumers of Long Bones. Cl J 9 4, lost, 465 By Surg Gynet & Olst.

Discussion of sercome of bone takes up a large part of the article which is splendully illustrate

with photographic reproductions of the bone and tumor. Attention is called to the fact that pain may be very slight. Other co dit one simulating tumors are cited for xample the chronic forms of osteomy chius with bone production o the penosteal region of the shaft A mistaken diagnosis leading to amputation for the latte conditi o has come und the thors notice

Sarcom of the ends of the long bones hading in point 1 flammation an I sem Istrog primary joint de

ease is not uncommon with it hawever even after swelling of the joint and great pain movement although restricted in mit painful. Old munited fracture with false joint and tumor like formations of fibrous to sue roay also be taken for tumors.

LEY R COLVIS

Liew lijn R L J and Jones A B Osteo-Arthritis in the Hip Diagnosis in Its Early or Pre-Osteophytic Stages. Lan t Lond to 4 ixvox 365 By Surg G race & Obst

A strong plea is made for early diagnosis which its stated can be made long before the formation of osteophyte. Among the subjective symptoms are pain local and referred tendemes and occasional subscription of the subjective symptoms used to the point first attracta attention. Pain in the evily stage is attractable of the career strong tendency that the subjective strong the subject of the sub

Local leaderness due to sens it eness of the capsule is very important in the inferentiation from the sciatica etc. and may be elected by deep pressure in the group or behind the trochanter.

Referred passu often present for y are of exactles hefore hose changes are disclosed by \tag are freque tly mustaken for sensite or rheumatic conditions. These passes rough the conditions of the seasite the anterior rural it do the condition of the seasite the anterior rural it do the condition of the seasite the anterior rural it do the condition of the seasite that the condition of the condit

Climatic conditions and harometric changes ha e thitle influence. The pain is deep dent upon mechanical or static causes and this nignation is strengthened by the fact that poin disposars when ackylosis is complete. The associated lumbar are differentiated from the scattica a diambago by the insidious onset and subsecute char

Among nbjective symptoms may be mentioned (r) Initial temporary impd in occasional pinching ni vili. (2) change in att tude (3) limitation of motion the result in muscle spasm secondary to jo at mitation

The above are symptoms of what may he called the primary or pre esteephytic stage with chinical readlestations corresponding to those of a villous authorite.

Treatment n this early at ge should be directed to the corre tion of bno msl straio arising from flat foot scessi e weight et eumbined with temporary fixation act ve and passive moito and hyperzemia.

Brackert E. G. A finitis Associated with Lessons of the G atto-Urinsary Tract B is M 6-3, 974 class 63 By Surg Gynec & Obst. In the nereaung att toon which is being given to the et ology of the arthritides special consideration is being taken of the portals of entry of so feeting and the picial joint mainfestations associated with various sources of incrimia. It cannot be said that infections from given sources will always give char actientie joint symptoms but there are some symptoms which will give a definite clue to the direction

of the search

The source of infection may be conveniently
divided into three groups (r) bacteria or bacterial
tomas (s) chemical tomas—gastro-intestinal
(s) chemical irritanta—unc and oxalic acids.

In the first group there is no source more promment than the genitn urinary tract The organism is either the gonococcus or the colon bacillus Arthritis from gonococcus infection may be either acute nr ehronic. In the acute type marked by sudden naset of pain tenderness and awelling usual ly nnn articular the organisms are sometimes found in the mot cavities which seems to indicate that the inflammatory process is a bacterial one Path ologically the jimit shows a greatly increased vascularity of the synovial membrane capsular thickening and finally destruction of the cartilage obliteration of the joint cavity and fibrous or m complete bony ankylous In the chronic type the organisms are not found in the joint the symptoms and pathologic changes, therefore being due to the toxus and the process being a disturbance of nutri tion rather than an inflammation. There is a history of repeated attacks with mild but persistent symptoms polyanicular in distribution. The pathology is not so extensive as in the arule form and acky loss from destruction is rare.

Arthritis from the colon bacilius is polyarticular and most frequent in the spine but has no pathognomonic characteristics

Methods of treatment have changed from sympimmate to esteological to the course of the acceptance of the primary focus idea. In the acute cases early opening of the point cavity and hot lawage followed by complete closure is good surgery. For the later cases with adhesions oil inflation is indicated. This should be done by open aperation in order to dispose of adhesions already present. W. A. CLAE.

Ifastings, T W Complement Fixation Tests in Chronic Infecti e Deforming Arthritis and Arthritis Deformans. J Exp Ved 10 4x S By Surg Gynec. & Ohr.

The author reports y cases at atthints deformans which were positive in tests for streptococcus win sham antigen those proving their nelectious nature. Same antigen those proving their nelectious nature. Same antigen this proving their nelectious nature and their nelectious nature tested. A group of the trial number tested. A group of the nelection of the nelec

The conclusions are that streptococcus random extracts the production of a complement fining substance in cases of arthritis deformant and therefore it is the probable causaints agent of the disease. Serum from one case may react possitively to two organisms, as streptococcus writinas and genecoccus. In this case streptococcus writinas and encoccus is attend the causaints agent acnee genecoccus in the case attriptococcus writinas about the consistency are called the case of the cas

Wolrerton W C.: Acuta Rheumatic Arthritis in Children. March : A ch. 19 4 at 105 By Surg Gynec. & Olet.

The writer emphasizes the necessity of being ever on the sleet for the mild cases of acute freumatic polyarthritis as it is these cases, so easily overlooked and consequently untreated that result so disastrously as regards the heart. Lacros treat ment is being used with most satisfactor, results

Finch E. Internal Derangement of the Knoe-Joint. U M Ret 94 vs 11 By Surg Grace & Ohst.

Tinch gives a clear and concess description of the nationary of the lance-must which he malally thenks very necessary to the diagnosis of injuries to alforman are due to wrenching and twisting. They cause great man fullowed by ellusion into the point and are best treated by Judositic rest and compresmental and the control of the compression of the control to the control of the control of the control word active motion should be instituted at once, passage later

Lacerated and rentured lateral bramenta are severe injoines, causing the pat ent to fall in the ground Immediate effusion means hemorrhage The treatment is the same as to sprain but is con trought for a longer period plusts to prese t lateral motion are a h lp Sem lunar cartulage in ity is nearly always to the internal and is do e by lateral force with the leg partly flexed the antenor end is crushed or torn loose possibly displaced t and tha croter of the joint The leg cannot bef lly at aded Moving the leg back and forth often reduces tha dislocation Wh out becomes chronic operate ofor removal is necessary Co valence ce is not I ngthy The author thinks if the acute cases we properly treated at rest for three w eka there would be fewer chronic ones lie doca not belie e u retentive apparatus or drainage fter operat o In his cases the average time of returning to work was seven weeks. Loose bodies who free n the joint hould be located u de local and the sia rat least located and fixed by local angesthesia h fore a general ancesthesia is given for remov I since the patient if conscious, can aid greatly o determining the body a position Rupture of the crucial hyaments follows violent accidents only and is disgnosed by the mobility of the joint R st and the use is relective apparatus for a long time give a fair resoft

but some permanent disability is pretty certain to resait. No movement should be allowed before two months.

Other detangements are separation of the tibal laberce infrapactials pads of fat, which the caught between jood surfaces, should be enseed rigger-knee, na which a loud nappup or caused by a peduoculated foreign body which should be ramovered surrounding tendom which get caught and ship over erforce and finally rarely dislocation of the patella the treatment of which asoperative

Gruber G B Further Study of the Pathological Anatomy of Circumsernbed Ossification of Circumsernbed Ossification of Waters Reitzige ur pathologicales anaiome der machrebone M left erlaucherung abbit Bene kunge ur Myostus osuafe as therhappi Mai d. Ge spib d Med Chr. 0, 4, 2734, 762 B) Schnickli d. ge. Chr. u. L. Gerspib 1, 762 B) Carrickli d. ge. Chr. u. L. Gerspib

The author adds to the 7 cases of circumscribed ossfication of muscle previously described by him sa more 6 of which were caused by traums a ac companied tabetic joint diseases, and a aperiment showed large unilocular exostoses From his his tological examinations which always aboved injury encroaching upon the muscle fibers with interstitud inflammation and f rmation of granulation turns from which anaplastic or metaplastic bone or curt lage was formed Gruber concludes that ossification of the muscles is the result of an inflammatory process in the region of the muscle \cither does be admit the periodical origin of the large existences in his four specimens, which apparently proceed from the bone but he thinks the muscle takes an active part to the t formation eather alon to the with the unitated periosteum at its insertion into the

bone. Ile assumes the same mode of ongo for the multiple progressive forms of myounts onationate as the hast ological findings are the same if fee on sidere the progress a form a metaplant or organization process," probably or gental or te quared defective organization or a functional to trubance of the crost and control system urbanes of the crost and control system plains the presence of much care to the control of the crost as being analogue of much as it is no portionally the control of the c

The first requirement is always present as there grain inton tasse at the injured place in the must. The presence of calcium can be denot stated in some cases by the salphur and reaction as there, with a high and content of the mustle in may be assumed to other cases where no local collection of calcium can be demonstrated the first than the case of the first three in the case of the first three increased destruction of obour each from greened evidence as agrangements on table, or from the fact

that its uma has caused seute bone attophy. The seme explanation may hold in the progressive form as it is generally formed in neuropathic nr deformed subject. The question of the disposition to easification of bone is transformed into the question of the calcium soits available for reaction with the the calcium soits available for reaction with the same my opathia chronica osteoplastics. Sixty of myositis

VacDonald T L.: Contractured Psons Parvus
Tendons Their Significance and Clinical
Relationship to Lesi ne of the Right Illac
Region S g Gyac & Ob 014 2 428

By Sug G) see. & Obs.

The author cites chincic least to show the symptomatic resemblance to subscrate and chrone spendering, sad calls attention to the readness with which the contractured tendon may appear to perpetuate post-operative distress in the right of the comments upon the numspecting attention of the comments upon the numspecting attention of the comments upon the summanress as follows:

- The pre-operative flexion of the right thigh is to frequently a symptom of inflammation of the vermitorm appendix that it seems to confirm this diagnosis
- 5 In the case of moderate contracture complete thigh extension may be possible but painful. Restriction is definite
- 3 In the suppurative cases of appendictus the contractured tendon may readily be overlooked, because of the importance of terminating the operation at the earliest moment of indulging in the least possible initis abdomins! manupulstions and because bowel and omental adhesions supervene

4 It may not be significant but in each case the psoas parvis tendon on the other side was examined and found normal except in Case 2

- 5 The cardboard like edge of the shortened tendon is capable of dismming—to a most trouble-some degree—the execut c rrent by forming a saddle-hag execum as the gut rests upon it the relate of const pat on after tenotomy being quite noteworthy ev n while the patient is by g in hed
- 6 At present the stapping up of the pentoneum from the outer edge of the shdomanal wound, as though to capose the uter seems a satisfactory and feasible method of exposing the tendon for tentony when the bdomen opened through the oblique incission
- 7 Prompt relief of the symptoms may be expected after complete totomy
 8 In the post ope stive cases the lesong atti
- tude of the patient may will suggest adhesions

 Of the persistic ce if thigh flexion under annual
- thesia is characteristic
 o All of these patients were inclined to be
 neurotic
- 11 It now seems somewhat strange that in a hospital service of e ghteen o more years similar cases have out been encountered before which sag

gests that it would be wise fo exactine for and exclude this lesion when operating in the lower abdo-

12 The unsu pecting attitude of both roedical attendants and surgeon is emphasized by the fact that the only instance in this short series wherein the contracture was even suggested before operation was in the last one seen.

FRACTURES AND DISLOCATIONS

Sherman If Vi and Talt D: Fractures near Joints Fractures into Joints. Surg Grace of Old 1914 tie, 131 By Surg Grace, & Obd.

The author points out that a fracture near ny point develops much sout that a fracture near ny point develops much sout of the short fits general and module joint and that the restauration of the normal seatomy and physiology is thus made more understand the point seatomy and physiology as thus made more studied and the surface that the state of the stat

regain after the older methods of dressing. The fractures specialized are those at the upper end of the humerns, in which the position of choice is that of abduction, to make the major fragment follow the minor at the lower end of the hamerus in which the position of choice is that of complete fierion at the hip in wach the postton of cho ce for non impacted fractures is that of abduction at the ankle in which the common of choose as that of supenstion with the foot at read anges to the ke on an anteroposternor page. These are now adopted methods of treatment to the mentions to about methods has been selected which a Le ast one in become possible after treatment y out paul and a each of them it is possed of all where the man fragment is more company and of the advances and other traces to be separated at the advanced of the separate and the separat Joint than it is to the Saye Sagree. 2 3 Sec. scally and for purposes A west, y a per come see ment beyond had younged to county in your to we want

can he tolerated massie a joint and if it would he right therefore to put them there even on the hear of guitace of the joint. Dogs and cats were used for this work and screws of steel of plated steel, of brass and, in some lastances small plates of americal check spring were put inside the lane smalled check spring were put inside the lane to the steel of the spring state of the same to the steel of the spring state of the same last sufficient believe.

The conclusions arrived at were that the transarticular method is the only practical method which gives perfect access to certain joint fractures and permits accurate reposition of the fragments that it is a perfectly innocuous method that there is a decided mechanical advantage in using intra articu las screus or plates to insura accurate maintenance of fragments that these seem to be ser is innocuous that they excite no reaction different from that caused in any other coonective tissue that when pro perly countersunk they are rapidly excluded from the joint cavity by a layer of neuly formed fibrous tissue which grows up from the marrow spaces and that under aseptie conditions they ramain firmly imbedded that they cause very little more reaction than the autoplastic bo c peg that even if not entirely countersunk they may still be practical and innocuous because the projecting portion cuts for itself a path in the cartilage of the opposite bone s nd that when this has been accomplished normal function returns. This transacticular route is sug-gested as the method of choice in fractures traversing foint surfaces or in displaced epiphyses when snatomical apposition of the fragmenta cannot be maintained except by the use of some internal fixation apparatus.

The unter analyzes 353 cases of fracture of the supper end of the humerus observed during the past ten years Of these 65 were through the past ten years of these 65 were through the surgical need, so it brough the tuberosites, 4 through the anatomical need, associated with dislocation and 11 were fractures of the great tuberosity some of the latter we e also associated with the surgical need to the surgic

tures of the surgical neck.

The mechanism of the amous forms of a cture
the variety of duplacement and the influence of the
musculature are nest discussed also syroptoms and

and treatment in the vast majority of cases abdution and external rotation of the lower frequency and suffice. When there is overriding some form of traction is advased as a preliminary. In children and robust adults as a preliminary he had the control of the c

plished by bandaging the arm to the side with or without a pad in the axilla. In others where greater external rotation and abduction are necessary molded plaster splints are more suitable.

Opea operation was rasorted to in only 3 per cent the indications being as follows

t Fractures with dislocation of the head. The head may be remoted or when possible, replaced and fastened to the shaft by a screw or and

2 Epiphyseal separations, unless absolutely accurate replacement is otherwise obtainable 3 All fractures is which the reduction is imper

lect mid in which o bad result acema lakely
Local searcheast supplemented by gas and one gra
during the short period of painful manipulation was
sufficient in most cases. Except in long oblique
fractures no internal firstion is necessary intention
being easily maintained by a douction and extens
being easily maintained by a douction and organizatotation and pressure upward to compel engagement
of the firsgenois. The use of metal splints, noternal
or external or of intramedullary splicits a considered
an absurdity. In the long oblique or sprint forms
aboortable nutures passed through drill holes maure
sufficient firstion.

A good result canent be claimed unless there is abduction of por external rotston permitting the band to be placed on the severath cervical spine and internal rots too permitting contest of the back of

the hand with the mid lumbar region.

In the siler treatment the suther lays stress on
the early use of behang massage and setting and
passave motion and expresses the b iner that many
poor results are due to lack of attention to these details

If J Garvine

Preiberg A. II 1 Infrarction of the Second Metata aal Bone S g Gysec & Ohst 19 4, MI, 0 By Surg Gynec & Ohst.

Sur cases are reported to which the pattents presented themselves because of pass at the meta-tarnophalangual jount of the second too In these cases the A. ray examination abo of that themselves an infraction of the distal end of the second metatrarial bone. In three of the cases there were foose bodies in the jount and in two of these libraries as severed to be removed in order to the cases there were had to he removed in order to liter the injury and the pattern of the cases as severed them was no recollection of the many The trimums use inleast such as the pattern of the pattern of

These cases have probably often failed of reogn tion because of the aminarty of the amount
to those of these oralled anterior fait foot. Aude
from the restigenogram the d gnosst
re th ta matter gan, thackens g and marked
tenderness f the second metat resophalanged not
and grating on passave monement if loose bodies

are present

The treatment is purely mech much a when
loose bodies indicat arthrot my f r their removal,
suber h cause of their size o number. In one case

permanent relief without operation resulted even though 8 loose bidy 2 0 mm in dismeter was present

Vot a little interest attaches to the mechanism which this rupy to the foot cuses. Under normal curantiances the second metatarial bone is alguly longer than the first. In the presence of a dimunder power of toe flexion and especially of the great toe it a spoprent that forcible impact to the ball of the foot against the ground not sufficiently guarded by the flexic power of the toes will cause the distalend of the second metatarial to bear the brunt of the blow

The author thinks that in this may be found the explanation of the mechanism of this injury

Davies W T F 1 Treatment of Fractures S Afric M Rec 914, xu, 283 By Surg Gynec & Obst

In a second seco

In a general way, Davies reviews his experience in the treatment of fractures

He discusses the results of early-day treatment of fractures, showing that perfect cures were never to be expected that it was then almost impossible to get proper relationship between the articular

urfaces of a joint

He emphasizes the importance of perfect reduction without which the successful treatment of
fractures cannot be attained and also states that
great difficulty as to be encountered in secturing

perfect couptainon
One of the principal sources of the revelstion of
the faults in the treatment of fractures has been
the \(\lambda\) rey Even alter apparent successful reduction and the part looks perfect the \(\lambda\) ray may

show that there is no reduction whatever. For the sake of the patient and the protection of the surgeon the nuthor ad ocates the use of the X rey together with postern anterior and lateral

www photographs

The great difficulty in getting reduction is due to the slight bowing of the muscles and tendous caused by the inflammatory exudation. The muscles in the normal state being stretched in straight lines along the bon arms any undue pulling in trying to get relaxation only esuits in tearing

This condition is not t be f nd in a compound fracture or in a recent fr ture when cut down upon both conditions may be red ced with comparative case

In nearly all case general asthes a should be amployed that the sergeon may do his work

thoroughly and w the t hast
Perfect to pitatio the bone I nes being placed
exactly together w th no rot t on of one i gment

n the ther m t be secured
In a compound f c t w th seps Davies ad
testes th opening f the w und cleanways ut h
some antisept c a d in placing f a wire tightly
around th fragm ni — plat or screws being
used

In a compound communited fracture all fragments if possible should be saved and fitted together the parts being held together with wire. Tree drainage is necessary. An odoform gauze drain saturated with pure glycerine may be used the gause being passed through a tube or the gause may be used as a packing. The glycerine has the effect of bringing about early seepsis.

In oblique fractures, Pott's and Colles fractures fractures of the patella and olecranon T-shaped fractures of the knee and elbow reduction is often impossible without operation and in keeping the fragments in place plates screws and wire should

he used

There should he no fear of operating on these states. If properly done results will be successful but if operetive procedure is not attempted in cases where reduction cannot he secomplished in any other way deformity is sure to result

JOHY II SHAW

Woolsey G Conservation in the Operative Treatment of Simple Fractures V 1 St J

Med 914 m 409 lly Surg Gynee & Ohst The use of any old or new operata e method of treatment which best meets the indications when operative treatment is decided to be necessary or advasable and and is tho nuthor's idea of conserva

acovance anguate to the author a line of coner's turn in operative treatment of simple fractures. He recognizes that good function is much more important than the position of the fragments and that it may be obtained when the position is by no means perfect and that it may not be present when the position is hearly perfect although it is most

likely to he

The first essential to conservation in the operative treatment of fractures in a careful climated diagnoss enfied or corrected by anteropostenor and lateral X rey views whenever it is possible. If the first means are not in good position reduction must has attempted and the result shown by another \(^1\) ray. This sttempt at reduction must be made early—during the first four of the days if possible.

The operative treatment I fractures is unde t ken to better fulfill two fundam ntal requirements of fractures,—reduction a d retention

Reduction is the most important feature and a

is overrising t should be overcome by traction ete.

For the ret ation of hone fragments there is now
a large armamentanium for the operative treatment

of fractures by plates and similar methods

The chief objections to the use of metal plates are

() that it this gesa sumpl into a compo on diffraction for the time heigh a do almost all operative methods of treatment () that it leaves a foreign body in the tissues. Metal plates are better formed with less danger of enusing trouble when applied to bones the converted by muscles, so there is no bones or not coverted by muscles, so there than to bones or not covered by muscles, so there than to bones or not only the tissue. Other objections to metal plates are allows eause osteoporout yof the bone in delay in allows

formation and assification hence delayed or non

umon has not tofrequently resulted

These objections and that of leaving a foreign foody in the tissues are met by the use of honeplates, usually taken from the creat of the tibs. I fractures of the tibs a V shaped groove as cut on the under surface with a Harrley saw. I must has a honerior that creat, cut from the came or mercions cut from the creat, cut from the same or mercions cut from the creat, cut from the same or mercions cut is finished by chromic gut passed through drull below above and below the fractors. This seems to such above and below the fractors. This seems to such in telesped union. It is not so often suitable for delayed union. It is not so often suitable for the

The author has had no experience with the intra medullary down of home. In some cases he believes that a oal or o screw meets the indications more simply and more effectively than a place or anything else. C. M. Iccora.

Cotner E. M: Some Practical Notes on Dislocations of the Hip Pacintone Lond, 19 4.

Ey S rg Grace & Obst.

Corner bases his observations on the cases of dislocation of the hip which have come to St Thomas Hospital, London since 1800 He con siders the usual testbook classification sa too elaborate dividing the cases into two varieties, either posterior or soterior to a line drawn through the center of the acetshulum and anterior inferior spine He hases his diagnosis on the position of the limb the position of the great trochaoter position of the The relative head of the femur and the shingraph frequency of posterior to acterior dialocations is about 7 to 1 The necessity causative factor is violence to a body supported by so abducted leg. It is much more frequent in males than to females and occure most frequently daring the second decade. He details the manipulations necessary to obtain reduction in the two varieties

H W BROW

Greig, D. M. Recurrent Luxution of the Patella Ediah M. J. g. 4, 214, 46 By Surg. Gyace & Obst.

True traumatic dialocations of the patella are uncommon and, when they do occur are of mutor

importance to other considered injuries

The outhor has considered conditions character
ized by outward displacement of one or both patellie

and their etiology

The pariells being a seasoned bone and developed within the tendon of the quadrone settemor currents is modified to a structure with the truckies autface of the condyles of the femur. The outer condyle is prolonged further apward and is flatter all of which facilities outward displacement of a complete flerow the form of the condyles of the condyles flerow the pariety of the condyles of the condyles flerow the condyles flerow the condyles of the condyles of

Unnormal or irregular conformation of a base food, with his inguinents — which is considered a regibble factor—admits of a greater range of motiva, hence greater tabulaty to displacement and warm those in the same of the femure or of the constituent the same of the femure or of the constituent particular to the same of the femure of the constituent of the same particular formation of the same more subject to displacements and they often follows some examinements of secarcing with the same particular formation of the same p

diphthema, Scallel fever and antenor polonypelus. The most prominent factors are traunaista, defectly e hase development and imperient musular action due to cerebral and spinal affections. The treatment advinced in rest, in bed and spinals in the recurrent type surgical correction of abnormal boxed descriptions and invited exercise with a protective description and immediate germine with a protective state of the protection of the second section and immediate germine with a protective section.

leather knee-cap

and external fixation.

SURGERY OF THE BOXES JOINTS ETC.

Pringle, J H : Analysis of Two Hundred and Thirty Cases of Open Fractures of the Long Bones Treated by Operative Methods. Brat. J Surt

19 A. s. 10 By Surg Gyneck 60-ba. The author reviews the results of any cause of open fracture of the long hones treated by specific methods. He dwides the cause into these treated by fazation — by wrings, places across etc.—subtraction was necessary in 6 ay per test of the fination and safe per test of the cleaned cause Most of the cleaned extended to the cleaned cause of the cause were treated by found that is necessary for fination sepace was much less common than to the cause treated by supple cleaning month and the cause treated by supple cleaning

GEO, L. BAUMA

Vulpius, O.: Operative Mobilisation of Johns (Su trage aur operatives Celenkmobilisation) Mehe med Wichnicht, 9.º Lil. 306. By Zentralib I of ges. Lis. a. i. Granzeb

The autho prevaments the balateral laceaus and the interposition of draps of again with peticide the interposition of draps of again with peticide the interposition of draps of the same accusate the set those of post transmits a kylosus of the ellow Jours. He does not heatate e en to andersiate the subulatation of the joint in closed tabertulous, and gives a detailed description of three successful case of operation as follows:

z io a case of anaylous of the elbow joint in so-year old boy after fracture of the joint the interposition of a flap from the tricipa tendon resulted 4 me the latter in act e e tension to 160

meriposition on a map irona true critical sensition to the factor in acc e e tension to the degrees, active flexion to jo degree. A 3-8-y- old w man had had tabercular abaylosis of the lup joint for 23 years of the fluctual responsed flexibilities and a layer of the glutens responsed flexibilities and a layer of the glutens responsed flexibilities and all layer of the glutens responsed flexibilities and all layer of the glutens responsed flexibilities and all layer of the glutens are considered flexibilities.

3 The third case was that of a 26 year old woman with balateral asoly-loss of the hip after septire their matt in of the yoot. Operation was performed on both yoots within four week. Fasena and mu de sere interposed. The flushage one yest later were to so addiction to 10 on the right act; e flexion to 80, addiction and addiction to 10, of from the within the first of the same operation of the same operation of the same operation repeatedly with good call to strip the same operation repeatedly with good call with sort with a came. Valuate has performed to the same operation repeatedly with good call you say that the same operation repeatedly with good call with sort with a came of the same operation repeatedly with good call with sort with the same operation repeatedly with good call with sort of the same operation repeatedly with good call with sort of the same operation of the same operation.

Devine II. B Free Fat and Fascia Transplanta tion in the Treatment of Ankylosed Joints and Diseases of Bones. If J A tral 1014 123 By Surg Cynec & Obst

Schoo out of eight transplants of for into bone performed on animals so Gare s climic are reported to have been successful—one case heating perfectly to the presence of mild unknamation. Thus posts to result is a case of infection offers the beape that has made to the control of the control

one in the femur with healing by first intestion.
The technique is as follows all infected sinuses are dissected out without opening. The infected wall of bone is bu red through clear bone at rils ed with pure arbolic acid and washed out After II gloves and instruments have been changed snother burriug is done and the c ty rewashed and dried The transplanted fat must not he touched with the hogers and must fill the c no completely Other uses for which the fat transplant has been success fully employed by the sutbo re separateo of th brachial plexu from the sharp dge of a deformed first rib filling in the c ty of a centr I hydraul of the b er isolating the ulusi ners from sear tis e of a fracture of the humerus The most alus ble use of such transplant in treatment of akylosed ounts The free transplant h s the ad sot ge o e the pedicle flap in thit to a he made as large as necessa v and it llow free in inpulation

In saly losed should of ugit years stand any samohined by complet by see losing the head of the humerus in a lay r of fascis lata w it fast ster sunsuccessful pe atto w it pediale lap. One case report d are mold last of the hippoint of the standard last of the hippoint of the late of the late

Easers L. Operatl e Treatment of Poralysis of the Shoulded (Fin Butrag ur operati co Il handlung dec Shulteriahmung) Zischer J orth J Cher. 914 zzzz 479 By Zentralbl. I d. ges. Chir. u. 1 Grenzgeb.

After a short discussion of the disturbances in motion of the shoulder joint Essera describes a case of trapezius paralysis from the Lange chaic and discusses the patholo y and trestment of the con dition It is generally caused by injury to the necessory for in tance in the removal of cervical glands but the clinical picture of complete parsly six of the trapezius may vary It may be possible to clevate the arm laterally sho e the horizontal because of the vicamous action of other shoulder muscles, although the force is decreased. But the sinking of the shoulder forward and downwa d is characteristic as well as the standing out of the sespula from the spinal column and incoordinated excursions of the sespula on lateral movements of the srm These phenomeoo are esused by shorten ing of the serrs tus and the pectoralis, and a length eming of the excursion of the aeromioclas iculae joint backward and joward as o result of the lack of the action of the trapezius

The author speaks of the operative and non operativo treatments of paralysis of the shoulder joint none of which have go en uniformly satus-factory results Rothschild a method is on advance in the treatment he fixed the scapula to the spine with a trip of fascia lo o similar way to a case of consental bilateral obsence of the trapezius Cramer fastened the scapulæ together and to the spine. in a series of nteresting ases of paralysis of the trapezous in syringomycha Lange instead of the att p of fascia used a strong silk auture which he carried obliquely upward from the median angle of the scapula through the subcutaneous fatty tissue and fistened to the spicou processe in the region of the lowe cervical vert bræ. The functional result was very good. The scapula was held in utornal position the overattetched rhombouder and fevat c scapulæ w re relieved and siter a smisble othopedic after trestment the arm could he lifted to the perpendicul DUNCLER

Vulp us, O Lengthening of Tendons by Sliding (Ube die Seh lang rung durch das R. b. schenlasse) If he med li has he 934 bd. 7 By Zeot albl f d gra. Chir u. c. Grangeh

The susplest method of te do lengthening subcutaneous transverse excito does not proceed a nationized and functional results and top like the lengthening of tendors whether performed to open o subcutsacous method inquies the 1 does to a very coosiderable et to therefore Julyun recommends method which he calls slid g of the tendon I he tendon is cot high up where it cotern the m sele od so ha music blors oo ch side of it. The nc ion is me do bliquil yo is to the form of a rev read \u00e4 with the pea directed toward when the centre \u00fcreak which he pea furcted toward the tendon slides downward without interrupting the continuity of the tract. The greatest indication for this method is fund to paralytic and spaster contractures as well as 10 ischamue contractures were there will be abundant opportunity to test it.

Moore J W : Surgical Treatment of Infantila Paralysis. N 1 V J 914 c 404 By Surg Cynec, & Obst.

A short description of infantile paralysis is given followed by a discussion of the various methods of treatment of the fourth or stage of residual paralysis, and a report of cases of tendon transplantation and

arthrodesis

Vaoy of the methods which have been used are
mentioned such as acrew fixation of joints after
Magnider silk ligaments and muscle transi hote
tion. Any operation involving the use of the tendon
tion. Any operation in olymp the use of the tendon

of parulyzed muscles is coodemned Light interesting cases am described including operations on a hip a shoulder and ankles

F C. km st.
Binnie J F Amputation of the Leg t

S 12 Phila. 1914 is 160 liy Surg Typec & Chet
The essayist states that the choice of method
and site of leg amputations below the knee depends

and site of leg suputations below the knee depends first on the lesion for which the operation is required and second on the use which is to be made of the stump

He then discusses the first point to malignant disease and gangeroe describing the method of Moskowa's and that of Sandrock to determine the most of demicration is become the two which is to be made of the stump is a factor of prime importance in the choice of the site of supportation. If an artificial into team of the secured it is of great importance work as timmy upon which the weight of the body can be supported without harm resulting the examples of such an operation where the foot nally is ampleted is the osteoplastic procedure of Pringoff the first being partly saved.

He discusses the seat of elect on for amp ta tions of the leg, the stump being sufficiently long to stituch an nexpensive wooden peg. Where the patient can off d a good artificial limb the lowest favarrable site for section of the leg bones is eight inches bo e the ground and the highest point for uninches below the lawer edge of the patella

If necessity to mputate above the seat of election distribution on the kine has usually been adjusted. Iff tent is ught bearing a pacty may be impaired by adhesions of sain etc. in bone inefficient covering if the bone irrigularity of the end of this bone strump occurrent is and nerve end impactually in seat tissues.

In discussing means besides ascesse t a ad these faults he describes the method of section of the various tissues from skin to bone the stripping up of the periosteum's dithe scraping out of bonemarrow for one-third of an inch thus favoring pain leas stimps. He approves of the subjecting of the stimp to a reasonable smount of therapeur, shuse and describes Hirsch a method of accomplishing this. He also describes his own modification of the Bier osteoplastic operation. If W W veco-

ORTHOPEDICS IN GENERAL

Neuh f II and Oppenheimer E. D. Congental Contractures of the Fingers with the Report of a Case of the Familial Type. Surg

Report of a Case of the Familia Type. Surg Gy & Obst 1914, Mr. 103 By Surg Gynec & Obst A case of bilateral contracture of the finger

running through three generations is described. The fourth so of fifth § gas of the right had were operated upon it was then fitted that were operated upon it was then fitted that the restance to extension was not in the skin fisca, or tendons but so the joint capsule and arricults and the standard of the figurents. The suthers believe that most of the tractures are dus to non recognition of this factor in their case full extension of the fingers was to tained after parsual dissoon of the capsule and figurents. The operative findings are described is detail. A simple spaparities to maintain evitar does not be used to be a subject of the restant works of the capsule and the was desired and employed for activate with the capsule and the capsule and the was desired and employed for activate with the was desired and employed for activate with the capsule and the capsule

Three stages all congenital forger contracture are recognized in children the dropping of the philingues can be permanently corrected by of tension apparation. The second stage, generalized the stage of the stage of the stage of the stage of the stage to the stage of the stage to the stage

Fraser F R. Clinical Observations on Amety
Cases of Acuta Epid mie Poliomyelitis 4ss
J M Ss 9 4 ckl 1s By Surg Grace & Obsl

In a storty of nucery cases of polosogychus as untited an the acute stage to the Rocketelle Institute the stuthe observed that the gas were for an e-months in function persons that the preparably and general sympt ms it had e-minness, durch man, such man,

tavolvement of the facial muscles. Five cases of the shortive type are reported in which there was present all the characteristic symptoms except paralysis Electrical tests made on rr patients seemed in indicate that paralyzed muscles which respond well to faradic stimulation will recover Uter a year of unsuccessful treatment recovery of a completely paralyzed muscle cannot be expected Treatment during the seute stage may include the administration of protropine and intraspinous in section of adrenalin \either of these measures was found to be of definite value \rishcial r spiration in cases of paralysis of the danhraum and inter

costs I musculature has not accomplished any recovenes. Care should be taken in make the patient comfortable and in prevent toe-drop by supporting the foot on a right-angle splint. After the acute stage the important points in trestment are massage and prevention of deformity It is doubtful whether electricity is of any value her ond causing contraction it may supplement massage but cannot replace A The occurrence of deformities is to be prevented by resisting the relatively strong muscles with mechanical appliances thus allowing the weaker muscles to relax which condition hastens th ir re-COLCTV W A Crass

SURGERY OF THE SPINAL COLUMN AND CORD

Jacobs C. M Bone Transplantation into the Spinous Process of the Verteben for the Cure of Tuberculous Spina Disease Ill By Sure Ginec & Obst 10 4 XXVI

The unter reports nine cases of Pott s disease trested by the 'liber method of tran planting a plint from the crest of the tihia into the spbt poste

NOT SDUDGUS DECCESSES

While recognizing that this procedure ms Ls a new epoch in the trestment of tuberculous disease of the some the author does not think it just fiable n all cases and sums up the indications as follows In children with carries of the cert all lower dor tal and lumbar vertebrae oneer stive treatm t should be the first resort in I lie and upper lorsal

Pott a disease or where conservative treatment has been tried with disappointing results. Thee's surgi cal method is the treatment par excellence

In adults where time plays an important part and where repid results are deared surgical treatment is

the method of selection

Tn avoid failure the graft should include the spinous processes of all of the diseased vertebræ and at least two contiguous vertebra above and below A good skingraph is Therefore most essential. Ex ternal support in advisable for 6 to 12 menths fol lowing the post-operative period of recumbency as too arly rehance cannot be placed on the strength of the graft and it is best to gave simple time for complete umon I I GARASLEA

SURGERY OF THE NURVOUS SASTEM

Gerulanos, M Gunsh t Injuries of the Periph ral Nerves to the Balkan Wars (huss letr ge der penpheren \ en d Bil.

Bu kl Ch o 4 ti

By Zentralbi I d ges. Chur d Bil nk sege)

Grenzgeb

Of 2522 wounded men recei ed t the Id the Hospital in Salo iki dire t from the battle field 36 had nerve injuries and 50 h 1 rasel 1 ries Geru lanus operated a Salonik. d Atheus together on 50 nerve 1 1 mes he also had 8 cases that were not operated The regs n of the bend of the thow is especially it que the ol ed then inline munes of the nerves I the upper rm. The sciation nerve widom injured. The pr I widar remon is more often a red on the I ft sade the axillary and upper arm rigion o th right In companso with the coals the pumph ral rues were soldom n) red probably in use they yild to the builders In put of the gre tin mber of hispinel my ries especially in the second wir he saw ly ten cases of ajury I the ries bit hip I. The shot may pass through the without juning it parties larly The mers my be 1 reo tused by the hot or 1 red second 1 1 ancursons home

fractures or pressure from scars. Injury to the nerve in conjunction with ancurasm or other injury to the vessels is very frequently abserved in the to the vesses is very acquerity asserted in the lower please. The nerice may be very severely injured by a grow g accurism Other disturbances may be caused by blood or famph effusion by in lectious inflammation or by a foreign body I ven the sumplest effusion of fresh blood or scrous fluid antn the tissues may interrupt nerve conduction

I athological anatomical findings as well as the charal signs of nerve injury are discussed. Opera-tion should be performed if there is no improvement after 4 to 6 weeks. Resection of the nerve should be thorough and carned out under the strictest asepas. The operations are reunion of the divided ends of the nerve tretching, plastic necretions substitution of estgut laterel implantation etc The results of the operation were o cured ram k edly improved and a unaffected. Wh n freed from adhesions the nerve functions gain main am the when it satisfied after 6 tn 8 mo th Ath d case reco cred without peration

Staty-eight ease hi to us are given

Borchard: Surgery of Peripheral Series (Propilpielles zur Chrurque der peripheren \cri a)

B : s ki Ch 10 4. sci 034

By Zentralbl. I d gen. Chir u. L. Grenngeb

Borchard reports the treatment of injuries of the peripheral nerves, which his has practiced for 15 years. As to the time for surgisal interference in subcutaneous injurica of the nerves unrecompanied by frasture be operates when the signs of inpury to the soft parts, chiefly affusion of blood have dis appeared and when during this time there has been no improvement in motility - improvement in sensation does not have much significance - and when neuralgic symptoms or pronounced reaction of degeneration appears

Often on operat! n it is found that there has been no interruption of continuity of the nerve but the nerve sheath is somewhat awollen and filled with small extravasations of blood and fymph and the nerve itself in acted and reddened. The nerve sheath is always incised even when palpation shows no marked change. Later it is autured again and to avoid adhesions the nerve is embedded in muscle If the ners emjury is complicated by a bone fracture he generally waits f r consolidation If there is an open would and it is aseptic the nerve is immediately cared for if it is septle he waits for the cleaning of the wound. In secondary nerve lessons from callus, scars acquestra ets he operates on the first certain

tigns of beginning injury As to the technique of nerve operations, he demands that normal ocrac tissues should be brought into contact, and that the nerve he freed from pressure and protected from later pressure from scars The freshening of the nerve stump must be carried back ontil nerve fibrals can be detected Often longitu has incisions must be added to transverte resection so order to free the nerve from the sur rounding scar Defects from caestricual resections are to be compensated for not by stretching but rather by flexion of the neighboring joints and by bone resections The best of the plastic methods is the implantation of both stumps into a sound nerre It is very important to embed the place of suture to a void pressure from the scar Borchard prefers tao muscle flaps made from two neighboring muscles with pedicles so that their natrition and innervation as not interferred with They are wound about the nerve is such a way thet the injured surface is tursed away from the purse.

In the after-treatment the avoidance of contract ures must not be neglected

VIISCELLANDOUS

CLINICAL ENTITIES - TUMORS, ULCERS ARSCESSES ETC.

koenigai ki, li Att mpts at Immunitation against Nious Canerr (Ober Vers h us im-m macrung regru Mauschrebs) Z should F Bek I nd Fe aus sh Inf Bussul 0 4 ls 3 6 By Zentrikh i d. ges Gyalk Geburah s d Grenzgeh

The tumors to be used for immunizat in were pre pared by the method r commended by Pohl and Niecho ski Th y were crushed on a sterile glass plate with a patula and the plate dri d e ther in a vacuum or at room t mperature liter 24 hours the mass was scraped off the line lumor powder dissolved in sterile salt solution and used for immuniza tion focreasing doses were njected into soice and protection was always produced again t a succeed ing enoculation with completely virulent tumors This rotection extended over several weeks, and caused at least an inhibition of growth of the tumor as compared with those in control mim is length ened the life I the animals v coinated and often caused retrogression tumora Control expenments showed that normal o gams prepared in the same way caused no protection aga not inoculation with tumors

Crile, G. W The Two-Stage Operation Especially in Its R lation to Treatment of Cancer A = S & Phila 9 4 lx 57 By 5 rg Gyner & Obst Crile stresses the importance f availing oursel es of the recent developments in surgical technique

through which the margin of safety of the patient may he caused Patienta exhausted by cancer and acuts injections should be anociated and gi en the benefit of the two-stage operation.

The patient who has been previously apociated has not the same fear of operation nor has his stality been lowered besides his ability to stand further operation is raised

Crile discusses methods adopted by him in cases of cancer of the rectum stomach cervix laryax, in gue and scute bdominal infections.

The mortality to eases of eancer of the rectum is lo ered by a previous colostomy Crile reports 16 cases without a death

In eancer of the stomach a prehimmary gastroesterostomy followed by resection in two weeks at advocated In cancer of the cervix at the prehomory operation Crile advocates extensive can teresation to prevent implantation by the culting method The following day an abdominal hyster ectomy is performed

In cancer of the lary az at th first stage the deep planes of the neck are exposed a d packed with rodoform gauze to prevent mediastinal infection and the vagus on one side is sposed and its environs packed with gause to preve I vagitis. At the second peration the lary mr is excised. Twenty eight cases have been performed : two t ges with but a single

death In anger of the t ngue the danger of pneumonia and tolect 0 of the neck are lessened by preliminary cautenzation of the growth and a secondary excision of all of the glands of the neek whether they

are enlarged or not.

In acute pelvic abscesses preliminary vaginal puncture is advocated in acute appendicute with a strongly walled-off abscess, simple drainage is the method adopted unless the appendix is easily lo-cated drainage of the gall hladder in critical cases of acute cholecystatus the cholecystectomy being reserved for the time when the atorm has passed In exophthalmic gotter ligation is performed in

ISMOSE COM bed. Powers, C. A Systemic Blastomy coals A Phila. Ott le Ets By Surg Gynec & Obst

Powers reports two fatal cases of systemic blastomy costs. The author wishes to emphasize (1) the fatal character of the disease and (2) the necessity of early wide excusion of the local focus. He credits Busse 1894 with ha ing first made detailed observation of the disease

The infection usually enters by way of the skin and is transmitted through the lymph channels The course of the disease is usually slow animia progressive emaciation simple my coals, and album

inura characterize the disease The first case a male aged as with a previous history of pneumonia at to was at the age of 23 afflicted with a bronchial cough last ng one > ar it 32 he noticed two lumps one above each cla acle they gradually enlarged and were removed 3 months later. The sinuses he led slowly. Similar lumps appeared and were removed in 190 and 1903. In 906 he had an attack of jaundice last three months In 1010-11 more lumps appeared below the 18w on either side In June 19 Powers saw the patient At that time the neck was filled on both sides with multiple hard lumps, presenting multiple simises Radical operation on both sides was performed. The chineal diagnosis was tuber to histological examination was made I'mo weeks late soft lumps sppeared on the sb domen and thighs and were ac sed. In 1918 cultures from on of these bacesses ga e pure blastomycoms. The patte t died from exhaustion April o zorz

The autopsy showed multiple miliary abscesses of the last shopsous abac to of the spicen miliary sbacesses f the pelvi of the left ladney - acute

The less a found may oscopically re st ry where easent ally slike the differe ces he ng spos ently due part to the stage of the elopme t of the indivulual lesion. The main features of the disease process can be econstructed in consider ble detail

The organism lodges first 1 am II casel or The endothenal cells prohierste becoming large and plumper and separate from sha wall Later they may fuse bout the organism to form a typical giant cell of the Langhan's type The vessel is occi ded and the seef wall dis pears lea ing a collection of endothehal cells This

collection enlarges encroaching on the surrounding parenchyma which disappears leaving a supporting connective tissue stroma and causule. The connective tissue also increases to some extent and may organize the lesion replacing it by scar tissue In the earher atages of the lesson there is more or less infiltration by leucocy tes among which plasmacells and emmophilic myelocytes are a atriking feature which serves at once to distinguish the proc ess from tuberculous Somewhat later the cells of the lesion undergo a widespres d and uniform coagula tion necrous similar to the type commonly met with in rapidly growing malignant tumors and differing from caseation in the fact that the atructure of the cells can be recognized for some time after necrosis has taken place Lessons as large as 1 to 2 cm. in diameter may consist of a capsule surrounded by a narrow zone of leucocytes and amail daughter lesions and containing a pasty mass of necrotic cells with fittle or no hang tissue Ultimately the dead tissue is e tensively infiltrated by polymorphonuclear neutrophiles the disintegration of which with the resulting liberation of proteoly tie ferments is doubt less responsible for the liquefaction which occurs ISDOUG CORN

Okintschitz, L. Reciprocal Relations of Some Glands with Internal Secretion (Über die secensertige Be sehangen einerer Drusen mit innerer

Siretion) f ch f G; sh 014 cm 333 By Zentralbi f d ges Gynak u Geburtah s d Grenzgeb The author has tested the effect of hormones

chrocally and e permentally Young r bbits those two months old and older ones the thad given birth to young were castrated some of them were then kept as cont of animals and the others injected with extracts of various organs—biover and ovarion the secretory product of the whole o ary proprover that of the follicular spparatus alone luteovar that of the corpus luteum chononin that of the placenta and mammin that of the mammary gland

The following were the effects of the extracts jected Atrophy of the uterus was caused by e at stron n the young s well as in the sexually mature a imals this was or roome by biovar o srun and propro ar it was not affected by futereat was even more decidedly affected by choriom but was ecemingly increased by main min There is an increase of colloid in the thyroid gland site castrst on probably less from increased glandular activity than from delay in the discharge of blood and lymph this was decreased by proprovar not affected by luteovar but mammin eaus d increased glandul r function and increase of colled Both mic oscopical and macroscopical changes in the adre als were inconstant. In the hypophysis the e w s no effect on the posterior lobe. In the anterior lobe there are normally the most cosmophiles then hasophiles and last basal or chief cells The ehief cells were increased by castr tion on the injection of chonomin there was a

marked increase to the cosmophile cells not as would have been expected in the chief or 1 regnancy cells.

I rom his experiments the nuther concludes that the overan hormones are produced by the followler apparatus not by the corpus luteum and for the most part by the membraos granulosa Moreover the products of secretion of the follicular apparatus act in conjunction with those of the uterus they act sotagooistically with chomonin with reference to the thyroid as to the antenor lobe of the hypophysis the chief cell are synergista the eosmophile cells antagonists of the followlar apparatus He thinks the corpus luteum s a gland with occative internal secretion it peutralises toains circulating in the organism. The results of his experiments confirm his ebascal hypotheses vis that diseases due to hypofunction of the grary such as amenorrhres infantilism and sterility can be successfully treated with proprovar those caused by hyperfunction of the overy as menorrhogia and natcomalacia with luteovar and also those caused by hypofunction of the corpus luctum such as the permicous sometime of I regularcy toucours of pregnancy and eclampsia MONRY

Cooke, A. B. The Presention of Surgical Shock and Post Operati e Paln J 1m M Att 19 4 has By bu g Gy ec & Obet

Cooke states that it is the consensus of opinion among both chincians and laborate y workers that the loss of vasomotor control resulting in the reduc-tion of the blood pressure below saf himits is the chief factor in the production of shock. The ques tion then arises. How may a surgical operation be performed so as to cause the least possible distrib ance of the vasom tor function The answer is Anoci associatio as worked out by Crile Crile advocates complete hamostas s deafenty and gentleness

The principle of anoci-sasociation are 1 h preliminary administration of one sixth

grain of morphine and one one hundred and fiftieth grain I scopolam ne o and one h ll hours before gortstage

2 The use of mi mas oxide and o yeen fo general angesthessa.

3 The complete blocking I the operate e field by the I filtration of a solution of 0 15 pe cent novocaine

4 The infiltration of all tussue traumatized whi h are auppled with sensory nerves with 0.25 fo 0.5 per cent solution of quim and u a hydrochloride Cooke advocates fifth principle namely early opening of the box is with ealom 1.0 5 grain 6

doses followed by a purgati nem n the second day to reheve the gas pains

Cooke states that other del stely impairs the defensive powers, low rs the blood pressore tw and one-half times reore r pidly th n nitrous oxide and increases the coagulat o tim of the blood besides tending to produce post-operative complications as pneumoma etc

Crile has noted that since using the appeal tech mous the operative mortality has falled from 42 per coot to r o per cent and o 8 per cent to the last \$.000 operative eases. EUGERE CARP

SERA VACCINES AND FERMENTS

Stresemann New Stud es of the Specificity of the Abderhalden Ferm at Reaction (Neuere Later such agen über die Spezifiat der Abderhaldenschri

Permenteaktion) M natiche f Geburtsh Grant 29 4 5 685 By Zentralbi f. d. ges Gynak u. Geburtah w.d. Greszych.

In 68 cases examined earefully according to Abderhal leo s latest directions there were only five failures that is fi e women that were certainly not pregnant reacted positively with placents. The sother thinks this was due to errors in technique and he is convinced of the specificity of the reaction RUMENAS

Lange C.; Esperiments with Abderhaldens Dualysis (Frishru er mit dem Abderhaldensten Dualyster rishren) Bocken Tisske vis in 193 By Zentralid f d. ges. Gynák u. Geburish s. d. Genned

In describing the prepa atton of the placents the sulher states that placentas from diseased individ uals should not be used as they may give nee to erroneous results and, so far as possible, placental should be rejected that come from and aduals with albumin in the urine as well os placentas that show numerous rofarets

To avoid the loss of chorionic vills he returnmends that the placeota he not rubbed in the mortar too long He uses Latapse a maceration apparatus which makes a fine emulsion of the placents. Be fore maceration as much as possible of the connective tissue is remo ed. The loss of specific sub strate can be avoided by filtering the water in which it is washed a point to which the a thor attaches great importance for if tis not taken into considera tion negative results may be obtained even to so vanced pregnancy. Only physiological salt solution should be used to remove the blood from the pla ceota f r if tap water is used the hamagiotin may be washed out of the rythrocytes while the stro-

mata remain Experiments showed that the stromat acted toward sees that catabolize blood cells just the same as to the ent re blood-cells The author does not believe that the method proposed by Abderhal den for testing an organ for freedom from blood is practical n fact 1 may of be possible to make an organ absolutely live of blood—that is free of the bodies of the blood lis He calls attention to several points : regard t boiling especially to the manufacient state f congulation of the albumi further booking with d tilled water more albumin is constantly being dissolved d with sufficient concentration a posit e n nhy dran solut on may be

obtained. He also takes up the question of the dulyrang thinbles he does not think that 'their haldens method of testing them is satisfactory fle entities the burset reaction and recommenda the use of more sensitive sibiumin reagents such as sulphossing his card. In testing for the passage of petione through the thimbles he recommends the use of ox to a per cent peptions solution instead of 1 per cent as finer differences may be determined in this way. Venther is it sufficient to test the thimbles every four weeks — they should be tested afrish for every new erroemment.

He discusses the roethod of obtaining the scrom the filling of the thimbles with the serum and the rffect of added bæmoglobin on the outcome of the reaction. It can be shown that the add tion of hamoglobin for experimental purposes does not alter the outcome of the reaction. It is difficult to get the same results twice by following theerhal den a directions. In a test with serum and placenta a stronger ninhydrin reaction does not necessarily show catabolism but it may be due to a summat o of non pecific compone to Neither doca toactiva tion of the scrum lead to uniform results as has been shown by experiments with guinea pigs therefore the author does not believe that estabolism is d m oustrated by a difference in the ninhydrin reaction to parallel experiments with placenta and active serum and placentn and mactive serum becaus there are a number of other factors whi h might produce such differences

To exclude error due to the thumbles he tested a number of neshboal of delburminant To determine the non expendible histogy: the in hydro tester more the non-template histogy; the in hydro tester Proja is merohydeldall method may be used Dialysu with distribled a ter is not reliable as with it globulin in whe precipitated therefore physiological sals solution must be used. Inaccurat in as urreant of the o eem of mahydra sol tions and the use of non u iform reagent gl sacs are sources of error.

From his experiments the author concludes that Abderhalders dishys in its present form does not always give reliable results. With it he could not determine the specific ty of serium for m ais in per anney and could not find place tas in It were not catabolized by sera from patients with currinous and salpungt 5.

Harmer T W. Remarks upon the Effects Observed in the Use of Wixed Toxina (Coley) in Certain Cases of Sarcoma Real I & 5 J 9 4 Cl v 53 B) burg Conce & Obst

Harme p ps shas d pon observations made during the past fig. are no recess Of these ga are analyzed first accord g to the type f sarcon and the accord g to anatomical situeton and tissue forgo. These 32 age were all primary or recurrent insperable sarconards at oper at on. All decess could by m roscopical examin tion. We were under tree timent t least three works. In each

case the results were free from vitisti n by concur rent treatment. All living cases had been seen or heard from within three months most of them with no a month.

The average age of all cases was 33 8 years. The average duration of treatment was a little over three months. The average maximum dose was \$1,0 min ms. The maximum dose was \$3 minims.

according to the effect of the towns (1) Those in which there was no appreciable effect (2) those in which there was no appreciable effect (2) those in which there was no appreciable effect (2) those in which growths softened but did not duminsh in size (3) these in which growths disappeared but retrained (4) those in which growths disappeared but retrained with the same of the effect of the

The apparent cures include (1) fibrosarcoma of the septum and chimod (2) and cell discrepand the antum and the and (2) and cell discrepand the antum and chimod (4) small round cell arona (the antum and chimod (5) and round cell arona of the antum and chimod (5) and from a cell arona of the antum chimod supernor max alls, postenor septum and nasophatynx and (5) gaint cell sarcoma of the spe These have remained apparently well since the conclusion of treatment (3) ans, 1 month (3) gars month (5) cars 2 months 2 (cars 2 months 5) cars to months and (1) cars 3 months.

t year at months

y pathologue study of two closely lying tumors in
one individual one untreated the other treated
abowed that the treated tumor was apparently
destroyed by so inflammatory process and that the
act on of the tonins it has case must be considered
local rather than systemic. In other cases on the
contrary in which growths were inacressable injections at a distance have produced apparent cures
in such cases the sction of the tonins must be rein such cases the sction of the tonins must be re-

garded as ay stemie Harmer concludes from this atudy that although the det rm nation of the increment of dose and the interval between injections requires some experience even after considerable experience this method of treatment is uncertain. It is so uncertain and so distressing that its use is unjustifiable in any case in which operate a rocusures of reasonable safety offer possible hope of removal. The percentage of apparent ures may he regarded as varya g from 9 to 88 The study suggests that toxins offer no expectation of henefit in cases with multiple mela notic growths and in cases of mixed cell growths. It suggests that they may he legitimately tried in cases w th single melanotic growths a d that they are apparently of alue in uses with sarcom ta arising in the nose and accessory sinuses whether spandle-cell grant-cell or round cell The results of operative treatment of true grant-cell tumors are regarded as successful so that toxios are not advocated Their use is however considered warranted n those cases such as grant cell tumor of the spine

in which the growths are so saturated that complete currical eradication is impossif ic and in the secares he believe that the attack should be primarily surgical followed immediately by tuent treatment

BLOOD

Fost e G S.t The talliary tup. S g Gree & G 1 s, 4 us ask. By S rg C) ce & G st.

The idea brought forman is one partially sug cested by Lace in his cliuic at Guy e lik-patal. The y tum as carried out houser previous new place of the principle and broudens the scope of

lostee recommends to use in all general surgical with a citle purpose of avoiding book enjoying but in executive amount furing the oper tion and practically eliminating put and their combine

In the wing lift g notal surgical cases carefully tabulated only one case of post-oper the numiting was found and extra in this single case

th em unt was dight.

The principle of the aniliary up ieto allow normal salt solution temperature of 100 to few in timous h into the loose tissue of the aniliar. The addition it contained in a reservoir placed at a project leight to permit aim phone and olume.

projec leight to perm t aim plane and shame pressur to and the flui in attempt the substitutional space. The flui d runs d wn n cul ber tube part of which is colored as a law in statupon whet bept it temperature of too? It it cooling may not the place cuddenly. This tiber got dudes late a latplace ended by This tiber got dudes late a latplace the colored properties of the design of medical principles the period muscles; the a diamspace thus cost onous down is permitted doming any operation. It is use h add become gar rid.

The amount of fluid age ted arms from 40 to 140 upn cs. The structest ascille precautions are subered to in every d tail. The neme audiery sup has been attach d to this procedure by the author

who sums up as follows
t lost-anasth te omit ng ie ebminated

2 Surgical he kis ruled out 3 Hand rmats or oth r timul tion : h feed

4 Freed in from pain and ga sen to ebl

6 hg har and full reliac action is meinta ned 7 Th Murphy drug is n in necessity yet the uld

not be f rg tt o

b. The patt in ret rn Imm the operating room
in bettee c 1 ale rnd iton than who they neer

o \ wet \ should be \ pt ir \ b irocted respiration him ver t w || not occue under the
te ined (s.c.)

Satteriee II S and Hooker R 5. The Fu ther

Det 1 prient of an Apparatus for the Tr ns
fusion 1 Blood S f G (h) o a
est lly burg Grace & Obet

The authors describe m thod and app ratus for direct transfusion of blood through it agency of m intermediate recept ele which is the I actical out

come of previously reported experimental work. A this walled gold cannula having a snugly fitting obturator ie used in the donor a ver The cannula with obtacat e is introduc d through a small incision in the se sel wall and this serves as e protects e sheath through which wheo the obturator is with drawn the metal tip of a paraffin hard pipette is mart didute thy into the blood tream of the donor without coming in contact with the wounded vessel-wall. The blood is removed from the donor in the mannee e ch pipette has ng a capacity of 200 ccm. and se carned to the rec tu ut where it is kinered through another cannula I somewhat emular construction Both the lonors and the recipents cannulas are coun eted by means of a lateral arm with a reservoir of physi logical salt solution so that their interiors are eutomatically tilled with as outfloaing tram I the salt solution during the best interests required i e butting the obtarators for the ; nette or see reres. This prevents the blood in the vein from entering the cannula prevents the possibility of air embols in and at the close of the operation provides a ready means of refusir salt solution into the dipor's circulation to replace the

blood which has been talk ne as
The a heatings claimed if the method see—

1 The filteration of thromboplastic substance

2 the carried blood is manumed by pre-calling
bushing two of plateful through fuction end
centract with most rable for you suffere, end by
presenting contam nait o from wounded time

2 The preparation of the donor's and recipied.

blood excels with committee to the, so that a success full tree of blood is practically assured in adereces.

The passel bity of ite employment in an emer

gency by a single perator

4 it pm idee an ample margin findety in the
onculation time of the carried blood in lung base
tinnecessary a fallow g the do or and respect
to be I separ te rooms feasied.

5 Th appa etus a adapted for use either s'h
parell'o or with hi udin as n' noticoagulant. By
the hars in method only minimal emoa is of this
ebalsar are req ired. It fleet being oblaste
by mply wetting the miten r of the prette s'eda solution of harudin 1 salt solution and pouring off
the error of this dud just per ous t. "

BLOOD AND LYMPH VESSELS

Philiponics, J. Rönigen Treatment of Tuberculoals of the I jumph Glands (Be trag. Röniges the part of L. raphdet on tuberk lose). If st. If it has be a to to to B. Zeutralbi f d. ges. Char. Greazg.h.

Phipponics operator at on bischburga limit e porte 6 casee of tuberculosis of the h mph glands tre ted with no igen y and confi ma the already will known f oreble effects of this treatment on the locel as well as the gr ral and to a lie has f d the follow g technique the best H limit gotter than the secretary of the secretary of the limit of

oum filter 1 to 3 mm thack if the skin is very sen attue a filter of tinfol on papers 1 also used 1 me soft rays are excluded. One erythema done was 8 to in Benosit. We as general rule the intervals were 8 days if there was pain at the diseased site the intervals were lengthemed to r4 to at day Ston reactions were never otherwed. On an average 13 treatment were never otherwed. On an average 13 treatment were never otherwed.

According to the author's experience rootgen treatment should become the predominant treat ment for tubercular lymphoma and should come into much more general use than it is at present

ELECTROLOGY

tiolmes, G W: Some Experiments in Standard Lation of Douge for Rungen Therapeutics. Am J Rongenot 19 4 208 B Sur C nec & Obst

The author bein, unsati fiel with present methods of measuring X ray design has conducted experiments to determine whether the chemical and biological effects of the \ray hear a fixed relation in the amount of electrical energy put into the tube He used an apparatus giving n non flu twating and measurable voltage of any gradation between to and So kile volts The attempt was to find the quired lectrical energy at the tube termin is which would produce an erythems of the Lin t known distance n a known period of tim He h t this en rgy to be the same for all tubes having target of the same material regardless of the acuum of the tube Uso it is mmaterial whether the n rgy is produced by a high voltage and low amperage or a ce tersa the wattage being the fact r which d t r mines the dose. Thus the author it de the same chemical and biological fleet f astrace with 40 kilo volts and 5 nmp ns w th So kil oft nd 2 amp at the sam d 1 nc and for the same period of time. This is in direct optradiction in accepted opinion as it is generally believed that an eryth ma will be produced quicker with low vacuum tube than with n high vacuum tube milliamperage dis tance nd time of tre tment be ng the same The author produces an rythem f the skin with his apparatus tube 1 distanc of in inches from the skin in 3000 kilo volt militampere-minutes. The result is pricticall the same whether the oltage in the take arminale up to the take like lis. The procuration of the ray given off is of course d ff reot for ea 1 reading

Comparisons we made between the authors method in u ment and its Sabourand paralle. The latter was lound to rd less than a does when law of less was used and more than a does when law of less was used and more than a does when law of less was used to be a latter of less when law only accurate it has I made in penetraison, 6.9 TB no i The author or lands that the result hand up the latter with the latter of less was used to less when latter in the latter of less was latter of

Abbe R The Efficiency of Radium in Surgery Ohio St M J 1914 x 467

By Surg Gynes. & Obst.

Abbe graves his estimate of the efficiency of radium treatment after eleven years experience. He believes that radium is not a destructive but a constructive force and the says and it. This is no stimulating force recognized first in its effect on plant life and later brought into use to explain some of the phenomena.

af its influence on tumors.

The facts are (1) Radium retards seed growth.

(2) Radium represess animalifie as shown by experiments with worms (2) Radium causes irritative spinal meningsits in more (4) Radium causes irritative spinal meningsits in more (4) Radium causes the spinal meningsits in more (4) Radium causes the disappersarios of epithelomatia of the face. (5) and spinal causes of the face (5) and spinal causes are spinal causes and spinal causes are spinal causes and spinal causes and spinal causes are spinal causes and spinal causes ar

The selective action of radium is proved by results in treating.

s Mad uls come Of this the has en cared cases some of which had been prevaily treated by Rontgen rays without rest. Le really disappeared under rathern treatments.

Ro ndeed a recome of the furnish love. He can be a case of a turn of the size of a mas a kind which was cured by the insertion of a sorre tube containing no one gradum, turners the timor in two places the tube remains of an ac girl hours nearch place. The tunor was — a make months all but the thickness of under grader which showed a remains of the same read, culturely short in the Flowus strong."

foliat! of the rectal mucous membrane e uld be treated by rad um be ore they estend into the walls

these viscers they call be cured.

Im me the large number of hopelessly a lea es te cases which has elicen submitted to radium it at most it has small incline to radium a possible able to say that one to hof these active cases shown tretal thirm, and one third in time added to the expectation of le

R immus tasper Itsatlon is, and the arid und perhaps aquarted olar left Todestr y large masses many tubes must be place life on the tumor. The it airs in wall be full-well by merion, and no red flow insurman-west school, and look seed by see fleat repeat looks we free radium treatment is particularly in the flow in the radium treatment is a fine and is a first by leaving a sow if it must it leads to be a first by leaving a sow if it must in leads to say that the leaving a look of the radium to the leaving a look of the lea

the pair nt has been a il lor ver i hars he most lefinite good fleet of a luma as the blockup of all vexels noun hing the growth by a process i tlar site, a shown in at llary rangement upen i chi bui

the believes that not the east important of also by technical times are useful states are useful states are useful states are useful states and useful states that the states

ton linelsherg Laperferice in the Te timent of Villan in Two ore with Hadi in all Routgros Ray (fring r I linelshilling mal for fur er in Rad in unit Routg in the late of the first to the late of the

with the most a light greent take effect of adjum at stgr not be lemed that 1 it ha bee obtained so ne ets tor ng it ha lee oldamed Ralothe ps i ne lil ma i i 1 ng per blem Incesty in at all in tegrilions b cannot be mad to am to en co on phylact usual to a the tum cht to tre tment orliterate or ha ppa after n [f 110ft l ently been I gr st lu mass ave of and milet pet tom fr m ma if the part Jawit cettas ly had m & I ffect

in a case of car tom of the tengue term to was probably hast B. In the aces the use I rail dura had not effect. It had be section ut the purposes only in jumps able to more the life to

the most lavorable in basal celled careir ris a quasir there were 7 neur riss. He also hal good it us in a careirmina ut it e terger in a round of the laster ma of the axila and in a carinoma of the thrus 1 all 1 with w ir fupor, the

One cannot be certain I recovery for ale g me he in some cases all r a temporary mprosent t the turn regrew none I carrin ma of the rectum that had been to at d with rate m could not be I un! n aut yoy but there were metastases in other urgat a as well as a preforation of the small unterstine from all n I two hops lintest re dae to the effect of the tachum. The author was similar by effects of ral um in three or I ur tases I car cinona of the so hagus. In all the cases there was ampr ment moder a the stepous blate | but in there cases there were secondary to tractions also that e well by the cartinoma, which are due to raisonn burns. The technique of rall otherapy must th it is he markedly impress a los the effect of rath in is not elective it desirogs not its diseased but healthy tunne And when a tumor cannot be per ted upon surger lly on account of the mate adheniers to important igans, I cannot lett tre with a lum other. I reample a vessel pass a through a turner will be distributed by radicine, and hemorbare will follow lie points t also the sees a head caused by bourgious stier ration er disting and the I il rences in the reaction of I firrent Linds of tumor to tad am further for a rest can be made only by improvement in tech more and determ nation of uttest douge. The uthor he also to ted many lumors the routes eys if ir too prophylate erabitor sliet oper tion has had ey good results. I percur-tumor of the tests he as here ope atted on up to metastayes in the belomen which displaced und t the act on of touter tays. Large doses must he weed not care hould be take to avoid a pures of the skin. Kontgen ray abould not be used as a autotitut for prat a Thy hould out be used in inoperable ases or for pr phylactic treat

ment after ver ison. We note that the case the second of the task that the second of the case that the second of the tensions of the tensions

Within, of Heidelberg tated that prophylactic radiothe apy accused to go e ellent results, and that metastases in the glands seemed to be specially adapted to arradiation because they offer partic ularly favorable conditions for autolysis.

SPALITZER, of Vienna has treated a large number of cases at the Vicona general bosnital with rontgen mys alone and points out that only large do-es are successful. Opereble tumore should be operated on KENSER of Jena reported favoreble results of

radiotherapy in two eases of sarcoma

THEN IN of Cologne thinks it doubtful whether the effect of the rays is elective as different kinds of carcinomata react very differently to the rays MULLER, of Rostock proposes to follow the old

custom of peaking of a carcinoma as cured only when it has been free from recurrence for five years kadvic of Freihurg pointed out that game colorists treat operable cases also with radium and rontgen rava and that ooperable cases may be

rendered operable by radiotherepy He reporta auccessful resulta and prefere rontgen raya

WERNER of Heidelberg reported 256 cases of carcinoma treated with mesotherium. In super acial earcinomata there was improvement in 88 per cent in deep tumors in 40 per ce t \mong 37 cases of carcinoma of the stomach a remaioed well for longer than a year after deep arradiation. Of 17 cases of carcinoma of the exophagus 10 cases were improved for more then six months only one

for lo ger than a year HELMANN of Breslau report d moperable cases of carcinoma of the uterus treated at the Breslau chaic and described the technique in use there They use a combination of high doses of rontgen ray and mesothorium Also in inoperable cases of carenoma of the cervix which were prepared f r operation by irradiation the putrid discharge was stopped Therefore the prognosis of this treatment

has become better

WARNELROSS of Berbn reported that in Bumm clime as they did not ha e the necessary amount of radium f r auccessful radium tre tm at large dosages of rontgen rays were used with good results. Even with large doses there was no skin burned

KRAUSE of Berhn t ted that in Be chuic prophylactic r nigen treatment afte oper tion was used with expecially good result in carcinom f the breast In two cases there wan recurrence at a place the rays did not touch

Pearmes of Tubingen reported a case of car cinoma of the bp cured by tontgen rays in 1904 ft has been under observation for more than five

years and th re has been no recurrence

f Worms at ted that in his opinion HEIDENHAI there is a gre t diff rence in the hiology of the different kinds of carcinom a d the good resulta obtained in one kind of carcinoma eannot be assumed to follow in other kinds. For example in autorsies on women who have died of carcinoma of the uterus it has been found thet in third of the cases there were no metastases Perhaps that is why the gynecologista ha reported auch good resulta from radiotherapy while in 97 per cent of

the cases of carcinoms of the mammary gland there is taxolvement of the glands of the axilla and generally an infection of the entire mammary gland and of the lymph vessels traversing the pectorals In these cases only radical operation is effective

LON FISELSperg of Vienna also pointed out the necessity for amoutation of the breast in even the amallest carcinoma KATZE STEIN

MILITARY AND NAVAL SURGERY

Santtary Service and Military Surgery on the Hospital Ships during the Campaigns in Lybia and Adaa (I servizi sanitari e la chirurgia d' gue dura te la campagna di Lib a d Egeo sulle na 1

capedale e negli ospedali dipartimentali) Roma Ministero d. marina,

By Zentralbl f d. ges. Chir u 1 Grenzgeb The two hospital ships The king and The Queen of Italy were most thoroughly prepared for the treat ment and transportation home of the sick and wounded the operating rooms were models-rontgen cabinets hecteriological laboretories etc being provided Some of the wounded were brought on board immediately after battle some a few days later so that the ahips served as places for the first dressing of wounds and also as field hospitals.

Four hundred wounded men were treated on the king of Italy and while it would be impractical to go into the details of the histories of the cases the llowing points brought out by Chief Surgeon Rosats may be mentioned Only tincture of iodine hydrogen peronde and schibyol glycerine were

used as antiseptics

The treatment of wounds was extremely conservative even when there was extensive destruction of bone Among the 400 cases there were only three amputations, and the results were excellent. Gun shot injunes of the skull according to Rosati cannot be operated upon quickly enough in perforating injuries of the thorax all operation is contra indicated and in gunshot injunes of the abdomen. laparotomy abould as a rule not he performed because severe cases cannot be operated upon soon after the mjury on account of shock and slight in urses get well without operation. The question of laparotomy must be decided in each individual case

On the Queen of Italy 323 wounded men were treated the results here two were excellent and the surgeons \accars and Cresps followed the asme general principles as Rosati Operation abould not be performed in hamothorax u less there are alarm any symptoms such as compression of the heart or fung on both sides in bilateral injury puncture is

particularly to be avoided.

The authore also believe thet operation should not be performed in gunshot injuries of the apine as at does oo good the prognosia is bad also in perforat ing abdominal injuries. Only Itahan soldiers were tre ted and the wounds were inflicted by the lead bulleta (Mauser) of the Arabisns The injury to the soft parts is greater with these bullets then with the modero sacketed bulleta

GYNECOLOGY

DIERUS

Poucher J W Two Cases of Advanced Cancer of the Uterus, Apparently Cured by Post Opera the Infections. To Am At Oht & Gy or Buffalo, 1914 Sept. By Surg Gynec. & Obst

Poucher reports two cases of adenocarcinoma of the uterus in which the disease had advanced notif the uterus was soft and broken down and it was found impossible to remove all the affected parts In both cases operation was followed by profuse sloughing and suppuration. Both cases recovered and have remained well since - one six years and the other two years

Dobbert T : Results of the Treatment of Cancer Uterua with Radium (Ergebnisse der handlung des Gebarm therkrebses mit Rad um) St Petersb med Zische 1914 annus 97 By Zentralbi, f. d. ges. Gynak u. Geburtah, d. Grennerb

In the course of a months as cases were treated with radium among them at of cancer of the cervis. The arradiation was accomplished with three tubes containing 53 45 and 58 mg radium homide The filters were gold brass lead aluminum and silver capsules The greatest period of application at one time was at hours. The total duration of application was 6000 to 000 milligram-hours. Of the ar cervical carcinomate to were monerable 7 haraly operable, and 6 operable Subjectively there was marked improvement in the general condition Objectively there was rapid disintegration of the cancerous masses f r the most part w thout loss of blood The infiltrations a the pel 1c cellular tristie were less favorably influenced In only one care was complete disappearance of the infiltration ob served. Microscopically the characteristic structure of carcinoma was no longer found after irradiation but there were groups of non viable cancer cella of varying sizes. The treatment of some of the ases is not yet closed

The anthor draws the following conclusions fr m his experience (i) Brginning cert cal carcinom ta may be tra ted by radium before operation () In advanced cases because of the uncert inty of ach um, radical operation is to be preferred (3) I operable cancers are the best field for radium the apy (4) Very lar advanced cases ra not adopted Don

to radium treatment

Percy J F : Tha Treatment of Inoperabla Carcinoa of the Uterus by Application of Heat. u 65 Med Prest & Cre 9 4 By Surg Cyner & Obst

The author discusses the work done by v our experimenters in the use I heat as n agent to destroy cancer-cells If what Vidal and others say is true it is a rational procedure to attack can cer with heat. Percy auggests a practical system of applying heat in otherwise inoperable carrinoma of the nterus. The penetration of best by this method can be definitely though perhaps crudely determined and regulated. Where the mal gainst process is at all accessible the method has almost no I mutations The required apparatus is not only

easily carried but is also mexpensive

Percy uses an electric heating groat which is perfectly ragulated by means of a rheostat Hub this iron and his water-cooled speculum and vaginal dilator a maximum penetration and dissemination of heat are obtained in the involved structures More than thus, the low degree of heat which his experiments show to be more effective than intense heat can be maintained accurately. This degree of heat does not burn up the cancerous must, but merely makes it so bot that the hand of the surgeon encased in a medium weight rubber glove cannot hold it When this degree of heat is reached and maintained for from ten to twenty mautes the cancer-cells are absolutely killed while the normal tusue-cells are not injured. The important thing is not to convert the tissue into charmal The chargoal thus formed inhibits a further dissemina tion of heat not only through the cancer mass but beyond Moreover drainage is provented for a number of days. This perm is the absorption of a larger quantity of broken-d wn esocer cells than the average of these patt ats can tolerate many of them die as a result I this mistaken method of applying hear

The besting iron when used through the water cooled speculum, should not be hot enough to scorch a pledget of white cotton if laid on the besting gron even for half an hour to smoke and no smell of burning tissues should issu from the speci lum, as would occur if they were being carbomzed The ear placed near the speculum should hear only gentle stame or h bbling while the heating head; in the diseased mass

C neer is destroyed when the temperature in the mass a raised to 50 to 5 C while the vitality of normal trades is not hanged outsi the temperature eac ed 55 t 60° C treatment is not cautemention but th production and disseminates of heat the gross primary mass of cancer

The uthor states that t not al 38 best in attempt to desiro) i ne sett og la ge mass of carrinoma. Il strongle d uses g not the use of the curette or oth r operat m asur lorthe reason that the beat I imbuted through the medium of the pathological overgrowth Heat does not encourage the extension of metastases a hile the curette and Luife do Again scar tissue s not formed after the use of the curette but it is the usual sequel after the application of heat The author has yet to observe the redevelopment of cancer in cicatricial tissue \o statistics are men tioned as they are reserved for a future paper EDWARD L CORNELL

Childe C. P Abdominal Panhysterectomy for Carcimona of the Certts Uterl Bu J S &

By Surg Gynec & Oh ? The only objection that can he urged against Wertheim's operation and the only point in which it compares uniavorably with vaginal existeran section is in its primary mortality. This of course is important. At the same time in a disease so certain to return unless completely eradifated t is sorth while running an increased primary risk for an additional chance of cure The author believes that it is only a matter of time wo L and experience to hring down the primary mortality of abdominal hysterectomy very nearly if not quite to that of the vaginal operation. The author describes an operation with the object of reducing the primary mortality It is a modification of the Wertherm operation.

As a preliminary each case is examined under an angsthetic the cerucal canal being dilated if necessary to locate the cancer The motility of the uterus the infiltration along the parametrium the implication of the bladder and rectum and the ausdom of recommending the operation are thus ascertained A portion of the growth is obtained If a groath is found in the sgina it is thorough curetted and the ca at) of the ulcer gone over with

the Paquehn cnutery

About one week later the second operation is performed This consists of a vaginal and abdominal stage The base of the ulcer is curretted and cauter ized. The vagina i dried and painted with tincture of sodine after which it is closely packed. The pack is withdrawn late before the vaginal clamp is ap plied with the result that when the vags al canal

s cut across not a drop of discharge is sec The abdominal stage is on Wertheim's lines up to a certain point 1 e the ovarian vessels are tied the round ligaments crushed the ureters isolated and the uterine arteries ligated. The bl dder and rectum are separ ted from the cervia and vagin until a couple of nches of vaginal tube are denuded The remainder of the ope tion differs from Wert heim s The author's clamps are now used Those for the pa am trium are strong crushing clamps furn shed with broadly serrated blades a d curved so that they fit the pa ametrium anugly at the pelvic wall. They have strong, flat looped handles One is placed on each side of the uterus the point reaching the side wall if the agina and pressed so that the parametrum is crushed thoroughly. The latter is then cut on the uterine side close to the

blade. The clamps are left on The vaginal pack as withdrawn and the vaginal clamp similar to thet above described applied The vagina is cut across and the uterus removed Progeuin's cautery is then applied to the cut edges The clamps are removed and the perstnoeum is closed in the usual manner Four ligatures only are employed one for each overion and each uterine artery

The following advantages are claimed for the operation.

r It greatly simplifies the most difficult stage The pars metrium needs no ligatures

2 The operation is shorter 3 Clamping and cauterizing is a safer hamostatic method

4 Cancer cells in the cut edges are destroyed. No tissues are strangled in a ligature and the 5 No tissues are strangled in a ligature and the schic wound is in an ideal condition for rapid

bealing

During the past twenty months the author has operated eighteen cases In no case has there heen any hemorrhage In the only fatal ease the rectum was implicated and was opened during operation The operation was long and the patient died of exhaustion in twenty four hours The post mortem showed no hamourhage Primary union took place

all but two cases, but both pat ents made good recoveries to vaginal douching was needed. EDWARD L. CORNELL

Nagy T : A Sercoma of the Uterus following Infectious Granuloma (Dber ein Sarkom de tstanden uf Grund einer infektio-Gebb m tte sen G anulombildung) A k f G; at gr4 cu

By Zentralbl. f d. ges Gynak. u Geburtsh s d. Grenzgeh

A short entical review is given of the different methods of classifying surcomsta. A detailed de-scription is given of the clinical microscopical and macroscopical findings in a sarcoma of the uterus. that developed from an old infectious granuloma. In the differential diagnosis between tuberculosis and ayphilis, the author decided in favor of the latter because aside from the fact that there was no typical tubercle formation there were more plasma cells then emthelial cells and moreover in the tissue pecrosis traces of the tissue structure could be recognized and there were no signs of caseation

After reviewing the scanty literature concerning tertiary syphilit e diseases of the uterus the author comes to the following conclusions

a Tertiary syphilitic disease of the uterus is characterized by plasma cell infiltration of the muscle-tissue endovascular and penvascular prohieration Langhans grant-cells and extensive

tissue necrosia

The glandular epithehum of the utenne mucous membrane may he replaced by many layered non horny pavement epithelium of hemen character which can he explained only as having arisen from indirect metaplasia. In these processes the syphilitic disease plays only the same etiological

part as any other pathological process that mention disturbance of the tusues.

3 The endovascular proliferation of the intima may undergo malignant blastomatous transforma tion and tissues may then wase from it that lo accordance with the isw of specificity in tumor formation present the picture of angiosarcoma.

Jansen II Connection between Myoma and Carcinomy of the Body of the Uterus (Uhr gleichzeitiges Vorkommen von Myon and Korpus cartinom am Uterus) Petersb med Zi h 1014

By Zentralbl. f d. ges. Gynak. u. G burtak s. d Grenngeb. Statistica show that carcinoma of the body of the uterus is much more frequent in the myomatous that in the not myomatous uterus about three per cent in the former to two per cent in the latter also that the proportion of carcinomata of the body to those of the certix is much greater in the myoma tous uterus Therefore there must be some connec tion between my ome and carcinoma of the body of the uterus The view that has been most held beretofare is that the myoma causes endometritie changes in the mucosa of the uterus which forms a favorable ground for the development of carcinoma the so-called adenora diffusum was regarded as a characteristic affection of the mucous membrane in

m) 0ma From a study of the maoufold and frequently contradictory histofogical findings in the older and the more recent bierature the author comes to the conclusion that there is no form of endometratis that is characteristic of myoma. In the majority of cases to be sure there was a more o less hyper plastic condition of the mucous membrane but w recent work of Ivase is of especial aignificance he points out that the hypertrophy of the mucous mem brane in the myomatous uterus u, to some extent a product of the hypergenus caused by the myoma and the more energetic grouth of the mucous membrane because of it but that it is also a part w esuit of the phase of menstruction at the time the examina tions were made. At any rate we must give up the idea of carcinomatous degeneration of an atlenoma diffusum caused by the myoma The only thing that can be deduced from the statistics is that myoma favors the development of carcinoma because of the hypersemia caused by the my ome and a chronic inflammatory irritation ADOLISE

Leiars, F Prometra and Abscess of the Uterus (Pyomitine et abacis d | térus) Seme as méd

9 4 XXXI 29 By Zentraibl. I d. ges Gynal. u. Geburtab s d Grenzgeb Two kinds of abscesses of the uterus can be dutinguished those of the avity and those within the walls. The former are what were manually called pometra They are slwaps caused by attena of the cerva, which may be congential o acquired. The retained blood or secretion becomes infected The most frequent causes of tresus in later If are the so-called semie atresas m) ms and carrinoma.

Occasionally endometritis may cause oblitaration of the cervix because of awelling of the mucous membrace inflammatory adhesions etc. Ill these forms of pyometra develop very slosly but may reach considerable size and occasionally may rupture into the neighboring organs, or in the acris cases into the abdominal cavity. In old nomen secondary changes in sende prolapse often cause pyometra. If gas forming bacteris gain entrance pyophysometra follows

Mustakes un diagnosis are very frequent hence mappropriate methods of treatment are chosen such as abdominal or vagnal total extripation P) ometra may appear during the puerpenum if so, it is geography in the form of intraponetal abscreen and in very severe cases may lead to the so-called metritis dissecans. During the puerperium multiple small or solitary large abscesses may be established in the walls of the uterus Trequently abscess of the uterus is associated with perimetritis or parame tritis. Thrombophlebitis of the utenne or hypogasthe vessels is a severe complication **NACOP**

An ak E. The Pathologie Physiology of Literine Bleeding J Am M Au 0 4, lun, 617 By Surg Gree. & Obst.

Novak calls attention to the fact that up to the present time the study of uterine himorrhage has been almost wholly along anatomical rather than physiological lines Heretofore, speculation and indefinite conjecture he e been the outcome of most of the investigation as to the physiological causes of uterine bleeding

Following are the most important points in the author a summary

- a Menstruation a physiological phenomenon - should be the fundamental starting point in a atudy of the causes of pathological uterine bleeding The factors concerned in normal menstruction
- An ultimata cause situated in the ductless gland chain - the overy being the most important us this relation
- b A nervous mechanism essentially vasomotor un character
- c The pelvic organs particularly the uterus and its liming membrane 3 The causes of abnormal utenne bleeding
- may there! re be grouned as a Fundamental mof : g disturbances of the enternal secretions
 - b Acroous, exerting the effect mainly through
- the vasomotor nerves e Anatomical n which the structural changes
- are present in the uterna or other pel ic rgans
 4 There is good reason to believe that m ch Ight will be thrown on the fundamental causes of ut ring bleeding by clinical methods of study both are based upon the relate n known to exist bet cen the d ciles gland apparatus and the vegetative (ympathetic and craniosacral autonomic) nerve tia var B Marthews.

kelly If A and Burnam, C. F: Rad um in the Treatment of Uterine Harmorthage and F brold Tumors J im M Am 9 2 km 622 By Surg G; cc & Obst

helly and Burnam divids pothological uterine bleeding into four groups, as follows

z Bleeding uters without demonstrable lessons the so-called my opathica hemorrhagica

2 Bleeding uters in young gs is —the cause of which may fall into those in group one or three 3 Bleeding uters from polypoid endometriom

e polypoid endometritis 4 Bleeding myomatous uteri

The four groups of cases have received radium radiation according to the technique as planned by the authors and a table of their results for each group is given

From their studies thus far with radium the following conclusions may be drawn

r In the classes of cases eited radium completely and permanently controls uterine barmorrhage

a Theraya have a specific and direct action opon shroid tumors, causing them to disappear completely or be greatly reduced in size Furthermorr at does not destroy the ovaries

3 Radium can bring shout a complete ameno

rhoca at any are

4 The menopausal symptoms which follow the amenorrhora are absent in 50 per cent of cases and mild in nearly all of them

J Intra uterine radiation in contradistinction to critical o aginal is the method of choice Abdominal radiation in conjunction may add to the

rapidity of the results
6 Radium radiation is preferable to surgical

procedures in the vast majority of cases If radium fails surgery may have a chince and there can be no harm in the waiting 7 Radium is preferable to the rontgen r y because it simpler of application acts more rapidly and t acts on the uterus with more in

tensity than upon the o aries
HAR EY B MATTERS

ered) and Lemaire II Treatment of Diamenor

rhora (Behandi ng der D) smenorrhoe) i Hg li m d Zig 0 4 hx 00 By Zentralbi f d ges Gynal. Geburtah a d. Grenzgeb

The uth discusses the trratment of the different forms of dy me orrhera as follows

r During the attack he dvises hot baths 38° to 38° to 38° to 4 minute f necessary two or three time in 4 hours rest n bed soothing pplications to the abd me wet hot compresses suppositiones of belladona chloral t pyrin or faudam in find trait of se ecin o drops every ne or two hours

D g puberty a simple d et s recommended F t and highly seasoned foods game mussels sea food t coffee and al holie drinks rr forbidden fin many cases o ga otherapy advissiff on arran t act and extract f corpus fute m combused if there is insufficiency of the thyroid with thyroid extract — 0 005 to 0 0, if there is hyperthyroid ism and slight insufficiency of the hypophysis with hypophysis respections.

hypophysis preparations.

3 Ovarian dysmenorrhoea in mature women is treated by ovariotomy or resection of the diseased

ovaries

4 In women in the menopause apiol hamemelis
virginica hydrastis canadensis vihurnum prumi
folum piscida erythrina and cannabis indica are

5 In dysmenorrhota of uterine origin from aphana and flexion of the uterus pohyglandular treatment massage and pelvie gymnastics are heneficial Sometimes dilatation with Isiminaria tents is used Sometimes hydrotherapy and thermal baths and sometimes operation are resorted to

6 Membranous dysmenorrhoza is henefited by the insertion of methylene blue powder in the uterus and after dilatat on painting with iodine or curet

tage

ke fier H ja There a Mjometrial Gland in the Hisman Uterus (E me-ti) und une glande myométnal dans l'uterus humann)? A n. d b R Sec y a méd ri sal d B ar 1914, brit 36. By Zentrabli i d ges Gynal. Gebortis a d Grenugeb.

Ancel Boun and other us est gators found a socalled myomerian gland first in the uterus of pregnant rabbuts then un gunca pags and in rats and more Assifter then underroot to find out whether one caused in the human uterus. With this racessor was a summary of the summary of the incason and examined them. He found that the modifications in the smooth musch fibers were similar to those in the pregnant gause pag suterus, and that they appeared nod disappeared at this and other a music. The process of degamers pags, and other a music.

Jacobs Gen tal Proinpas (Le proi paus génital)

B il Sec brigs d Ţ &c i d'où i o 4, 400

By Zentralbl i d ges Gynak u. Gehurish a. d Grenzgeb

In gental prolapse in agreement with Martin; work the author also distinguishes a suspending and a apport g apparatus and attaches the greatest imports et on the ligaments while most authors attribut it to the muscles. Rectorele is regarded as a consequence of weakness of the rectovagual tissue.

Defect encis of the suspensory apparatus is

manufested as () cyslocile and so appearatus in bladder an which a successful operation bendles narr wing the vagina must supplement or stringth en the trophic tissue (8) herma of the vencoucernic pouch and anterior vaginal enterocile in the excassion of the pertinosts as of pushing back of the excassion of the pertinosts as of pushing back of the excassion of the pertinosts are the pertinost with cystocile at ten and posterior enterocile with cystocile at ten and posterior enterocile

and rectocule and (d) herma in the recto-ntenne pouch rarely alone but generally in connection with descent and prolapse of the uterus -- in severe degrees there is also prolapse of the posterior wall

of the vagua.

2 Defectiveness of the supporting el paratus is mamiested as (o) prolapse of the posterior uail of the vagina which is treated by sxcision and auture (b) slongation of the cervix in which the os is sublo in the vulva and finally there is total prolapse metritis and hypertrophy of the u hole utsrus -treated by amputation of the cervix and periseor rhaphy (c) secondary prolame of the bladder and uterus in primary failure of the suspensory legs ments - any form of myorrhaphy being generally in vain here on account of the atrophy of the heaments.

3 Rectocile dus to weakness of the rectorageal septum. In this no method of operation not even suture of the levator can replace lost tusue Resec tion of the prolansed part of the rectum can be tried

The conclusions are that the chief part of the work of bolding the genital organs to place falls on the suspensory apparatus is both su pensory and supporting apparatus are generally deficient com

bined methods of operation are indicated

Posts

Hance T B : Retroversion of the Ut rus, and the Sling Operation Ind M Gar Q4 bx 6 By Surg Gyare & Obst

The author ad ocates what is known in this country as the Walater round I gament operation for retroversion from any of the following causes puerperal inflammatory or me hancal sling operation is often combined with shortening of the uterosaceal heaments and the ovarian has тепы

The purperal cases may be corrected if recognized within the first six weeks following labor without operat on by the use of an Albert Smith or lindge pessary and uterme tonics as calcium lactate or ergot Should recurrence take place after a two months trul operation is advisable

The mechanical cases of retrovareion may ense from chronic constipation e bladder chronically overdistended or some ebdomical or pelvic tomor Brief case reports of 29 cases helped by this opera

tion done by Bell are given at the end of the article ELGENE CAR

Willmoth A. D Prolippe of the Uterus and Its Treatment Ls cd Cl s q 4 cdu, q By Surg Gynec & Obst

Willmoth smphasized the fact that the uterus is not supported and held to place by ligaments, but that it is supported by the entire privic floor of which the ligaments are only a part

The uterus is a balanced organ a d can he displaced if the weight of the uterus is increased or the carrying power of the supports les coed or where adhisions cause traction by pulling the uterus backward or by increase of the intra-abdominal pressure or by sudden force as from a fall causes an acute prolapse Inother class of causes in traction from below as vagual cicatrices, fall of the pelvic floor abnormally short vaging from any cause and cervical and vaginal tomora

The descent of the uterus is of three degrees The first degree is where the interus is found is extreme retroversion

The second degree is where the cervix descends to the vulva

The third degree is where the uterus protrudes partially or wholly from the vulva.

The development of prolapse is insidious and the symptoms are usually referable at first to other organs as bladder rectum or pains in the priva and extending to the thighs. Menstruction in the first stage is increased but gradually dimenshes

The treotment may be classed noder four heads (1) hygicot, (2) pessaries (3) general sod local treatment (4) surgical operations

The first meludes propes dress, food and regular habets The author says that he has had many pleasing results from the use of a properly fitted pessary He places pregnancy under the head of general and local measures and states that with considerable rest in bed aft r delvary (6 to 8 weels) a moderate prolapse may be rured His also advocates the Luce-chest position se stal times each day From an operative standpoint Willmoth ad act an external operation on the round bigaments a young women with a shorten g of the uterosacrals in a small per cent of the cases. In middle aged women the exact to dition of whose pelvic viscera as not known he uses the modified Gillian operation In womeo near the menopause he advises supra aginal hysterectomy with an rievation of the ELGENE CARY remaining cert cal stump

Jellett, If Th R Intion of Theory and Practice in th Operatt Treatm at of Genital Pro-lopes Canad M 4 J 914 56

By S rg Gynec & Obst

In the past the frequent failure of operets e treatment of prolapse has bree due to t o causes The first of there is an insufficient natom knowledge of the relations and supports of the uterus, end the second is a desire to find a panacea which will be suitable f r every case. There are two cardinal points that should be remembered to considering the treatment of prol pse. () That the exact lessons present differ to a cry material degree in different cases od () that any treat ment to be success? I m at f II w such lines as enable the operator to after and modify is details in order to suit the special lenons and complications of each individual case. The knowledge of ansioms is therefore case tail. This mu t he guined not alo n the dissect ng room but to th examination of the | ng

The ginz s supported below by th levitor and muscles. It is fixed to the pel is wall by the viginal suspensory ligament and proceed by its

stackments to the cerux and by parts of the endopelor faston. The uterus is supported by its vapual attackments by the uterosacral lagaments and by the different layers of the endopelor fascas which pass into it laterally and antenority. The makers support of the uterus is the The author and this is of considerable improved in the theory details.

Injuries accompanying Is bor affect both the direct acd indirect supports Deep tearing of the perineum destroys the slight attachments of the levator am muscles to the central point of the perincum and so allows its lateral hand to diverge outwards abile actual tearing of the muscle itself destroys the continuity of its inner edge. The result is that the lateral bands are aidely separ ted and there is nothing to prevent the anterior or posterior vaginal wall from bulging directly doan through the vaginal orifice Once the support of the lower part of the vagina is lost there is a tendency for the middle part also to descend because the posterior and laters! walls, instead of resting on the levator muscles, are uosupported and bave the r pull transmutted directly to the suspensory fascia suthor thinks that this progressive nivers on is seldom seen clinically. What happens rather is that first the loaer part of the vage a protrudes then the vagonal fornices lose their support and descend and finally as a result of continued trac tion the middle portion descends also. The first direct step in uterine prolapse is hackw rd d splacement The ne ght of the uterus thus transmitted to its aginal attachments and t the endo pelvic fascia both of ah ch are entirely unsuited

to resist a direct strain Uterine prolapse is the ult in most cases of an initial fault which hy it ring the normal strain ult in most cases of to a hich the suspensory mechan sm of the uterus is intended to he subjected throw th elements of that mechanism out of ympathy with one another This is the most essential point t grasp in planning a successful operatio f prolapse because just as the proispae follows mually a single fault so it aill tend to recur after oper tion if a single weak point is left. Thu t is that entral fixation vaginal plastic wo L and hysterectomy have failed Rational prolapse operations consist of three parts (1) The restoration of the normal direct support of the uterus and vag na so f r as possibl (s) the placing of the uteru in such a position that it offers s maximum rest fance to descent (3) the removal of complications and associated conditions the result The v nous methods employed of the prolapse to remedy these defe ts re discussed

Jellett reaches the f llowing conclusion So long as th posterior viginal salt is left as it is at its at present with its upports in an imperfect condition so long must operate a procedure be defect ve. The interpos tion operation in excellent in a suitable case but it is nonmatchle with pregnancy Testoration of the pel ic floor is, in most cases,

effective but it may sgain be destroyed during a subsequent labor The very means adopted to reduce an enlarged uterus to a normal size may subsequently result in producing uterine strophy and thus remove the most effective part of the modern prolapse operation Loward L. CORNELL

Shropshire L. L. A New Supravaginal Plastic Hysterectomy T x St J Med 9 4 68 By Surg Gynee & Ohst.

The author has mg noticed that recovery after a hysterectomy was unnecessarily prolonged at meed as the conclusion that the impangement of the next extrains upper ingents and the next extrains applying the under the next extrains the next extrained in the next ext

After the hladder is separated from the uterus down to the internal on the uterus is clamped on e th r side from the insertion of the fallopian tube to its center of the internal os with a specially devised by sterectomy clamp Using the clamp as a guide the uterus is transfixed at the points of the clamp with a long sharp pointed Linfe, bringing the blade out at the fundus at the inner side of the clamp mak ng a smooth cut surface. By drawing the clamps together the two marginal cut surfaces of the uterus are brought in close apposition With a No s chromie gut suturo a needle on either end the auture is started at the points of the clamps by passing one needle between the blades on one side and drawing the suture through to its center then by appertung a needle from eather side a saddler's statch is made until the top is reached, when the

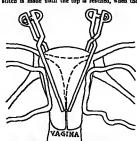
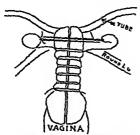
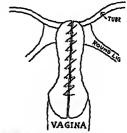


Fig (Shropshire) Showing the clamps in place.



luc. 1 (5h opshure) Showing the saddler statch as



big 3. (Shropshira.) Showing appearance of the stump after the running suture is made

sutures are tied securely. The clamps are then remnsed and a dieth running suture placed on the anterior surface beginning at the lower and of the cut. This is continued ver the top of the stump and down the posterior surface to a point opposite the start of the suture. With fine extgut the bladder is fastered to this stumn.

The sublor claims that this operation avoids (ying off any of the networks or the 4 trueroes of any important touches of the 1 that set of a say hysterctum), except 1 migrant degenration in cases of throat tumors whether the spend champer and the control of the

Bumm The Uterus aft r Mesotherium Irradiation (Ut rus as h M soth rimbe (reblumg) / 1 chr f Gebs t k G k 1 7; By Zentralbi f d ges Gynak Geburtah s d Grensreb

Examination of the universe of a second control of the deposit of a or at a six deferred has a extensive carcinoma shamed that the reason marked extensive carcinoma shamed that the reason marked extensive of the 19st carcin manuscarcins marked corticos of the 19st carcin manuscarcins and the statement of the control of

ADMERAL AND PERIOTERINE CONDITIONS

bechminels Ovarian Tumors (O analysed this)
Monatries [Gib / h Gynek 1014, Extr. Esc.
By Zentrails [d. ge. Gynek, n Gebarnd a d Grangeb
Four cases of o snan tumors are reported as

a The first case was that of a 70-year-old oman a th o arran fibroms showing cystic solitaning

a Butters scooling cystic soltsing
a Butters scooling variant carnons with
d due casecrous infiltration of the whole uterus the
parametrium and the upper part of the vagine was
found to a at) sar-old girl with primary carnoons
of the many

of the mpulla of later
3 The third case was substern) secondary meta
static cancer of the overly with primary carcinoms of
the breast in \$ 45) sat old woman

4 Secondary outname extensions with primary officers ind stoneour control of the lower part of the agnosid desure with lexitate in of the breast, and with pregnancy hypertrophy of the hypophysis of the frontal is not present in the marrow of the frontal is not used as have been as the surface of the horsest in the present in the harder of the hypophysis of the hypophysi

Vayer A and Schneider E Disturbance in Function of the Ovary in Myoma of the Uterus and Some Disputed Points in Regard to Myoma (Über Storung der Eierstocksfunktion bei Uterus myom, und wher er uge stritt ge Myomie gen)

Munchen med IV knicke 014 kn 041

By Zentralbl. [d. ges, Gynak. u Geburtsh s d Grenigeh

By the aid of Abderhalden's dialysis the authors sttempted to determine whether the anatomical changes in the ovaries in cases of myoma such as increase in thickness cystic degeneration and angiody strophy were associated with disturbance in the function of the ovaties

The blood serum of 30 myomatous patients was tested as to its action on the overies of myomstous patients in the same and other individuals as well as on the overies of patients with carcinoms preg hant women and normal women. The ovaries of normal women and caremoma petients were never catsbolized but of the 22 patients with myoma who were tested with their own serum 20 catsbolized their own ovaries. The ovaries of other individuals were catabolized in only 50 per cent of the cases This shows that as a rule patients with myoma have dysfunction of the ovaries that there are active ferments in the serum and substances capable of being catsbolized in the ovaries but that these ferments are extraordinarily specific for the fer ments of the serum of a patient with myoma which catabolize a certain substance in her own ovary will catabolize the ovary of snother myomstous patient only when it contains this same substance

The authors think that the dysfunction of the ovary is the cause of the pathological growth in the uterus. This seems to be indicated by the fact that in the so called early myoms puberty hegins much carlier than in normal cases. The climacteric which is well known to be a period of disturbance in ovarian function a the most dangerous ge for myoma-70 per cent of the myomsta observed orcur from the fortieth to the fifty fifth year The frequent steril ty of patients with myoma is also a s gn f dysfunction of the ovary as well as the delay; the himacteric in myomatous patients. The disturbance in ovarian

function is p imary

Sessa P Changes in the Child a O ary in In fection Diseases (bull alterano idell are in fetta) Pdat fant le nelle maiattre

By Zentralid i d ges Gynak Geburtsh d Grenzgeb

Th autho e simued the vines of bildre f m af w month to h s arsold who hadde dof ut or throng nicet ous disease and who had shown no clinical sign fo aman disease. Noth g was perceptible macroscopically on autopay scopically there were generally more or less pronounced changes after acute infectious di ases there w re geoc ally inflammstory changes in the corte un chronic diseases such as tuberculous. th re w re interstitual cha gr in th o aries. The finer hist logical changes are described. In v ry acute inf ct ous diseases especially in diphthena

there were frequently degenerative cysts in the parenchyma of the overy that were visible only **ENICLOSCODICALLY** ASCHENIEM

Brill W The Histology of the Sympathetic in Its Relation to the Internal Secretion of the Overy (D Histologie des Sympathicus in ihren B ze-bunge zur inneren Sekretion der O arien) V s

chen med if hus hr 914 l 1 2256 By Zentralbi f d ges Gynak u Geburtah s d Grenzgeb

After sketching the internal secretory tissue of the ovary the follicle spparatus and its derivatives the corous luteum and the internal ovarish glands, as well as the general histology and physiology of the visceral nervous system the nuthor describes the histological picture of its groundwork in the ovary In the ovary of rabbits and mice a viscetal ganglion which is regarded as the most important transform ing statum for all forms of stimulation flowing into st shows extensive branching of the cerebrospinal sympathetic fibers around the ganghon cells and chromaff a cells which fill this sympathetic ganglion of the overy Other fine terminal networks surround the axis cylinder processes with loose meshes and the surface of the ganghon cell with end buds These are numerous large multipolar ganglion cells with a network of neurofibrils that can be followed for into the sais cylinder processes and many widely branching dendrites

The relation of the chromaffin-cells to the ganglion cella seems of especial importance from a functional point of 10%. The peripheral visceral innervation of the overy w th is for reaching effect on the gene att e and intergenerative tissue clements, is also represented n its end branches, pencellular end networks with numerous varicose formstions in the course of the nerve fibers and at the end of the nerve fibrile

As in other glandular organs the end branches of

the nerves penetrate between all the cell elements of the part of the o arran tissue that is concerned in internal secreti The innerestion of the internal secretory tissue of the ovary here represented provades a broad hist logical foundation for grest independence on one hand and on the other f r a far traching influ nce of the fi rent stimuli on all the specific (w ctions of the o are

Schiffmann J Changes Intl Ovaries after Irra diell n with Radium and Mesoti orium (Che O mal crand ru ge uch Rad m nd 11 so thon mbratrahl g) Z ni athi f G) ak

By Zent albi f d ges Gynik u G burtch d Grenzgeb Daff rent kinds f exper ments were tried Cuinea

I as w ra used a din som cases the rad wm carriers together with the o any were sew d into an artifi esally formed pock t of perstone m while some of the carners were la d fre n the nbdoms al cavity But a cither case th re wer xtraordinard) intense and haract ristic t juries of the arian thesus The gr nulosa cells a d th o um c lls were most sngured the matu e folicles we e tra formed into cysts the germinal epithehum remained intact and neither the interstitial cells nor the corpus interm showed any constant changes hteres

Pirami E. The Adnexa in Ingulual Hernias (Lerna inguinale degli annesil) G ± 914 xxii ± 915 By Zentralbl. i. d. gez. Gynik. Geburtik a. d. Grenngel.

Hermas containing the adness five cases of which are reported are only occasionally found in old women with relaxed abdominal muscles in other cases larly are caused by anomalies in development. The diagnoss is very difficult in caste in the make the caste in the the

degeneration new growths and torsion of the pecule exterpt when the herma sha contains the pregnant uterus of P ossiptant Court toologe de Pyossiptant Mastrasier.

Schickele Etiology of P ossiptant Court toologe de Pyossiptant M satis in f Colombia Cor at 94 marsh.;

By Zentrabli f d. gea. Gyrahl. u. Gebartha 4 d. Genziech

must be surgical especially taking into consideration

the frequent complications such as atrophy castic

The patient who was to years old and had always hen sell took a doubte of computed to prevent conception and it was followed by bulateral supports the alpunguis. There was rapid development of possipius on both usdes the left one rupraring on the ainth day after sofection. Severe pentionals immediately developed. The operation which consumed of resection of both tubes and drainage through the signal was as followed by recovery themospheric perspections consumed of repetition of both tubes and drainage through the signal was as followed by recovery themospheric perspections consecutivistical from the

Taussig, F J Surcoma of the Round Ligament of the Uterus. S /2 Gynes & Ob 1 9 4 12, 2 8 B Surg Gynes & Obst.

The author reports an unusual case of spundiculed surcome of the round lagament associated with moderate prolapse of the uterus. The tumor was remo of from a norm of 41 cars of age whose only complaint was a pressure agenute the blacker or the property of the property o

tion of a previously existing fibrom; onta A review of the hierature of round ligament tumors showed a record of 141 cases of this sort. Taussig analyzes the physical and pathological characteristics of this form of tomor it springs more frequently from the extra abdominal portion of the round ligament and spparently is a little more common on the right than on the left side. Pres

many simulates us growth.

The most interesting feature of these tumors is their varied pathology—ye of them belong to the group of thromyomania. In 19 metances there was a Cyst covered by fibromuscular issue. It was patient a dermod cyst developed from the round ignament. The frequency of admongtons up ser haps the most straining characteristic. In Tunsage tabulation 30 cases out of 325 were thus diagnosed making them relatively four times as frequent is the mound ligament as in the uterus. This may be due, perhaps, to the close relationship to the solding duct and the suphregence band extending almost duct and the suphregence band extending almost the entire largely of the embryo. The 6 cases of sarrouna all seem in have been comparable chemically and the chairs length of the embryo. The 6 cases of sarrouna all seem in have been comparable chemical country of the country to the recovery of the country to t

RETERNAL GENITALIA

Miller R Visama of the Vagins (Beitrag rur Len tous der Vaginalmyoma) A ch f G; ht 9 4. cm, 5 By Zentralbi, f d. ges, Gjinik, u. Geburtsh a. d. Grenich

The nuther reports e cases of myons of the vagous a number reports of cases of myons of the vagous a nu women and a nu dogs I fe discuss the cases published by Kleinesteller in his collection of the cases that the cases that causes that eating building cases, thopography growth sare age of the number agrangement of the cases that eating his discovering the cases that a state of the number of the cases that a state of the number of the cases that the case of the number of the cases and the case of the number of the case of the number of the case of the number of the nu

Paris. J and Francey F: Indications and Technique of the Transverical Operation in the Treatment of Vesicovaginal Fistules (tach exists at technique de la ous trans éscale pour le cur des fait les fators ganales) J duril

By Zentralbi, L d. ges. Gynak, u. Geburtak a d. Grenageh

This method is indicated when the fatula is near the unrien, when it is complicated with stone its the bladder when the vagoal opening is high up near the cervita, when there is much sear tissue in the region of the vagoal opening or adhesions to the price boxes siter entripsection of the stream, it very large fatulas with involvement of the nets of the highder the vagoal route, should be preferred the highder the vagoal route, should be preferred

The author does not f vor Legueus tran pertinoment out to Bradekheuer inversion du the bladder. He maker a long incisson in the median line. The auternoe of the bladder is exposed by means of a retractor the edges of the fixtual are tenthened; the vargand opening closed with a purse timing summer the bladder opening small purse timing summer the bladder opening and the bladder closed with coal extent of the bladder closed with coal extent and above the past ent occupying either the abdominal or lateral position in 64 out of 8 cases there was complete even. 7 in one case where

MISCELLANEOUS

the neck of the bledder was involved there was only decrease in the size of the fistula with incontinence persisting and once the sutures did not hold. In one case though continence of the hladder was restored, the high incision made a urets rovaginal fistula through which urine trickled this was later overcome by extirpation of the Lidney

Rosenstein Secondary Repair In Complete Tear of the Perineum (Uber die Sel ndsraaht bes kompletten D mmrissen) Zeni albi f G at

9 4 XX 10 771 By Zentralbl f d ges Gynal u Geburtah s d Grenzgeb

For secondary repair it is not necessary to wait six werks or to send the patient to a hospital The operation can be done at the end of two weeks in the patient a house The huned sutures of the rectum should not penetrate the mucous membrane Granu lations and any new formed tissue should be thoroug ly removed at the beginning of the operation. The bowels should he moved first on the sixth day hy means of castor oil ALTICUULER

Jellett II Suture of the Levator Ani Muscle in Perioeorrhaphy Operations. La 1 Lond By S rg Cynec & Ob t 94 IXX 3 5

lithough it is a generally accepted fact that the support furnished by the levator and muscle either with or without to investing fascia is essent al to the pelvic organs none of the old methods of permeorrhaphy provides to such suture. It is surprising how many are content to practice these operations becau the nuder and : fact are told that suture of the le ato am muscle how essential t may be is a difficult oper t n and one not devoid of danger Dur ng the past three year and a half 346 persacorrh phies ha e heen per formed In practt all; all the levator an muscle has been sutured n an occasional case tuon has failed to occur and humatoma has f med There has never been a death nor even a nationt whose condition g ve rise t nxictyowing to the occurrence

f mboli from p netured enou plexus
The essent I f ature of the operation are as follows () The e reful d ssection of the necessary amo at of ag nal mucous membrans. If the rectum (2) the e posure and suture of the separated les to ani musel and (3) the eareful approximate n of the ut edge of th v ginal mineous membrane in to leave no projection or reuch a m nnc dundrn y The utho the d embes his technique in detail. The ad intages of his operation are its case and its rap d ty

The follow g nelus s are reached

I th les tor an man essential Ro t utu part of perin orth phy R ut ne tur s alw 3s practicabl except where the must a want ng owing to at ophy

after injury 3 Th 3 Th pos re nd uture of the l ator and re neith r hit lt nor d g ro

INDLC

Houser Vaccine Disgnosis and Treatment in Gonorrheen in Women (Über die Vaccinediagnostik und Therapie bei der Gonorrhoe der Frau)

Berl. Al 914 t By Zentralbi I d ges. Gynsk u Geburtsh. s d. Grenzgeb

The author's experiments in diagnosis and treat ment were carried out with Reiter a vaccine A .- 10 His conclusions are that injection of gonococcus vaccine is a useful method of differential diagnosis. A positive focal reaction as well as a positive general reaction accompanied by a positive local reaction shows the prese ce of gonorrhoea A negative result does not absolutely exclude gonor rhœs.

In all cases of local gonorrhoral disease with an active focus or one capable of reactivation the vaccine causes a rapid improvement in the sub sective symptoms and in many cases there is also objective cure Because of the small number of cases and the fact that they were not under observation long enough no decisive judgment can he passed on its therapeutic action or its ultimate results. But at any rate vaccine treatment is to be recommended as a supplement to other treat ment

Pazzi M Mutual Functional Relations of the Glands of Internal Secretion as an Li ment in th Causation of Changes in the Prichle Per sonelity of Woman (t orrelations functionale delle gl ndole «crezzone terna come leme to d con «a nell m t l lut della personalità muchica

d Ba donn) G o' mod 0 3 1 38

B) Zentr lbl f d ges G) nal. G burtsh a d Grenzgeb.

Pregnancy is regarded as the source of an endointoxication from which the woman can neither guard agat at nor says herself if the normal antitoxic functions and the fu ctions of the glands of internal secretion do not do their p rt and overcome the threatening physi logical disturbances and re tore the organism to its normal bala ce

It e must be denied that pregnancy a a cause of mental disturbance which may drive the woman to madness with enmin I tendencies a d w th partial or total ann h lat on of co sciousness of her actions I detailed revew is given of the lit ature regarding th function of the by pophy sis and its relation to the genital organs The author believes that the mental and psychie disturbane a that lead the pregnant noman to destroy her child are rel ted to disturbance n the function of the by pophy sis Because of a transit ry interference with the balance of the circulation in the hrain at the moment wheo the factus leaves the ut rus this disturbance of function manifest itself in a stormy aggressive and t mpor rary form life believes furthe that the negation pressure the bd men causes a hyperæmia from vac um in the pelvic organs that I terferes with the nutration of the brain This does not uplain the pathoge cass of crime but it broadens the field of Mrst o

Andrews H R Tuberculosis of the Female Genital Organa Cl a.J o 4 slut, 535 By Sur Gynec. & Obst

The author states that according to the statistics of several writers tuberculous of the female general organs occurs comparatively frequently but that it is not of clinical importance except when it in volves the fallopian tubes or the cervix. The injection is seldom primary in its origin but is use ally secondary in a tuberculosis of the lungs or of the shmeotary tract the infection being conveyed by (1) blood (2) bronchial glands (3) tuber culous pentonitis, when particles usually from an infected appendix or excum have been swept into the fallopian tubes by the peristaltic movement of their tilia (4) gonorrheral salpingitis which predisposes in a tuberculous infection by destroying the integrity of the mucosa of the tube (5) suber culous semen (not proven) (6) tuberculous of the rectum which may by continuity extend to the vagina (7) soiled clothing, directly infecting the vulta (8) tuberculous urine causing a local infection of the vulva

The chief chaical importance of tuberculous of the cervix is that it may be mistaken for carcinoma The infection usually begins in the mucosa of the cervical canal or in the deep part of the grands, but it may necur on the vaginal aspect of the cervix In appearance it resembles ectropia nr it grons in masses of fine clongated papulæ glued together with viscid mucus. The absence of friability and tend ency in bleed together with the soft edge and the south of the patient would usually differentiate it clinically from carcinoms but the microscopical examination of a section removed from the cervix

should establish the diagnosis

In tuberculosis of the falloman tubes the mucosa is the first structure to be invol ed the muscle is the next and the pentoneum the last. The involve-ment is usually bilateral, both abdominal ostia being closed and the tubes studded with military tubercles while cheesy nodules may be in the wall or in the interst tral part of the tube or the whole tube may be enlarged tortuous adherent and filled with cheesy material as a result of the infec tion In the chronic stage there is an excess se formation of connective tissue with calcification of the contents of the tube and dease adhesions to the neighboring structures. The symptoms are constant privile paid with increased and painful menutruation. The uterus a fixed in the pelvis and at one or both sides may be f it a de sely ad here t mass. In the early st ge of the infect of there is no alteration of the tubes macroscopically and it is not usually possibl to make the diagnosis except by the aid of the microscope but late the condition is characteristic of suberculous

If tuberculosis of the cers x is seen early the author believes t is possible to effect a cure by scraping and cauterising the diseased area but if not seen until a late stage he advises the remo al of the cervix, or the cervix together with the uterus and the appendages if they som to be anvolved.

In tuberculous salpingitis according to the writer there is no hard and fast rule for dealur with the adnesa. If the adhesions to the lotestines are not too extensive both tuhes should be removed together with both cornus containing the interstitut part of the tube If the adhesions to the intestine are dense and there are no evidences of tuberculous ulceration of the intestuse nor suppurate o of the tube it is better to leave them alone as to such cases removal as often followed by the formation of a feeal fatula and there in some danger of producing an acute general tuberculous. As the uterus may be distased and since it is useless without the tubes hysterectomy may be advisable although a increases the severity of the operation and many patients have remained in good health when the tubes only have been removed. The ovenes are often bealthy even when the tubes are diseased and should not be removed in a young woman un

less they are definitely involved

If drainage is employed it should be done through
the vagina and not through the abdominal sound, in order to lessen the risk of a facal fittula or an infection of the wound and a resulting post opera tive berma LIMIAN L. P FARRIS

Ulesko-Stroganowa, K.P. Mglignant Tumors of the Femala Genitalia (Die board tra Ge schwebt des enbuchen G men pparates) f en

Ges 10 4 Ex 750 By Zentralbi i d. gra. Gynak u Geburtak a. d. Grennych

The author calls attention to the great prevalence of malignant tumors of the female groutal system He thinks this is due in the frequent irritation of the gental system which leads in hyperamia and this is turn causes hyperplass. The hyperplasia causes the germs of manganot degeneration. It is often difficult to distinguish benign hyperplasia from malignant tumors either macroscopically or micro scopically He agrees with Orth and Hansemann's opinion that hyperplana is a precancerous condition

Klimenko, V Diphtheria of the Genutal Organs in Children (La diphtène des organs s gentaux chez les culants) Clin è et méd-chir et ijle

By Zentralbi f d ges. Cynal. u Geburtsh s. d Grenzgeb A ten-year-old gur after two days sickness with out inflammation of the throat developed a diphthems of the genitals which caused par on urins tio A stater of the patient had a dephtherite anguna it was assumed that the infection had been transmitted through the clothing but the pos-subity suggested by Conradi and Bierast should be taken into consideration namely that bacilli to the contract the consideration of the contract the contr may be excreted through the una even in cases where a unitammats s of the throat has been not ced The disease begins with hurning on micture pors which re painful to the touch The s cling

increases and a few days later a pseudomembrane appears. Larly serum treatment is important with a view in decreasing the relatively high mortality

Window R The Significance of Lain in the Right Hane Fossa in Young Warmen II p Ball U Md 1914 x 51 By Surg Gyner & Obst

Right aded pain is usually thought in be due to appendicits. The acute cases or the chronic cases with definite localizing symptoms are readily recog mized In the author's experience this symptom in young women is niten due to some other cause Some are of undoubted hyeteric or neurotic origin but with some underlying physical cause. He dif-ferentiates from enteroptosis by injecting the colonwith bismuth and by \ ray from nephropiosis by palpation of the Lidney under an anzathetic if neces sary from disease of the right tube by vaginal examination. In several operations for supposed appendicitis a small ocarian tumor was found in each case Cholchthiasis with distended gall bladder may simulate appendicates but percussion over the gall bladder will clust marked tenderness and the gall-bladder can be detected under an anasthetic if necessary bione in the right preter gives unnary symptoms with blood in the urine enses due to Meckel's diverticulum perforating ulcers intestin I abstruction and pneumonia, par usularly in children are to be considered typhoid fever the fever precedes the pain as pointed out by Murphy The author states in conclusion that he has come

Ebeler F Rontgen Treatmant in Gynecology (Die Rontgenbehandlug in de Gynkhologie) Stabl ibs 9 04 570 By Zentralbit diges by at Gebutsh d Grenngeb

by Zentralibit I of ges. 13. Locours a Grangeo

Th auth r descusse it routigen treatment of
myoms carcinoms d diseases of the nit rac
The technique at first w it t of Albert-Schon
berg later 15 m focal di tance 3 mm lumnum
fit r hardness of tubes in W intervals of three
weeks hetween the series of treatments. In the
bernantum Selds with 1501–140 Nater, 186d.

with 90 to 1 m. Ner series. Among 33 cases of myoma 21 were treated with amenorized resulting in 36 19 per cent integrations in 9 per cent and failure in 14,2 per cent. Immog m cases of uterine disease there were good results in 93 per cent amenorized in 36 per cent. The cases of car canonizate were treated with routigen 1233 alone with disapparatine of cumporties and pain and cleaning up if the uters. One carronnian was treated with routigen 233 and reduum combined.

Jayl M F The Employment of Hypophysary Opotherapy in Ganecological Practice Its Immediate Results. M d Prets & C c 104, cals: 216 By Surg Gynec & O) t.

In a sense al over 400 cazes Jayle attempted in determine the sumedate effect of the administration of a pitutally preparation upon retirents affected with a smous uters-overant resulties. The gland selected was that of the are and it was prepared after the method of the roots. The preparation was made to the control of the proposition of the control of the proposition of the proposition of the control of the proposition of the

as the routes uses a morel at more it crossisted of planching colicky pa in bendenbe and insomme, or planching colicky pa in bendenbe and insomme, the proposed of planching results being absence of the planching results being absenced dissuant on and aften complete arrest of userne discharges relief of per a pune arming from salpinguis metrite and parametritis regulation of the menses and control of hemorrhage due to subject which the proposed of the purpose of the p

Benthin W Bacteriological Exam pations in Goncological Discense the Question of Auto-Infection in Gynecology (Balt nologueb Untersorbanger ber pankologueben E Frankonger Ein Beits g Frage de Selbsim Ition a der Gynakologue) II sai kr f Ge 16 Gr k

By 2c stable 1 ogs Gynals us C hurtch a d Greensph Unfortunate resulte after 50 secological operations always brings up ance the questions of autogenous endogrouss micration. For this reasons the sulfor excessing the constraint of the stable of the contraction of the contraction

be warm douches w th 1/1000 bichloride

OBSTETRICS

PREGNANCY AND ITS COMPLICATIONS

Michel Is The Significance of Abdominal Pres nancy for the Practitioner (Die Bedeutung der Bauchschwangenshalt hir den Pr Luker) Fesische d Und 914 23 617

By Zentralbi, L. d. gea, Gynak, u. Geburtah, s. d. Grenzgeh.

The etiology of the above is not definitely deter mined Chronic salpingitis is of importance as is shown by the fact that the average age of women who have extra uterine pregnancy is 30 years and that the pregnancy is generally preceded by several years of tenlity The coasequences of chronic salpingitis at authesions of the mucous m mbrane and formation of diserticule in the musculature of the tube. Internal or external eauses, such as crosion of a blood sessel coitus, or a blow may cause a sudden hyperpressure in the intervilous paces and the this wall of the tube ruptures, causing runture or tubal abortum Wub the first free bleed tag the noum is floated ut of the ampullar end of the tube and the rem ants that are left behad cause secondary hem rehages that such do a unto Douglas pauch and f rm h matocile The futus generally hes and ma ration ad sometimes t lection and suppuration take place

The symptoms vary d pending on whether there has been rupture or abortum important points in the history ir priceds ginf mmatio of the tabes aterulty treegul r m a tru tion ant if rence with urmatt n atta & of dizz ness an ! bjectis ly th findings n j dpatso I) if rential diagnos a must be mad from infl mmatory tumors of the ada sa inflammatory audate ppen licitis and perf rating perit mits and in the middle third of pre nancy from tetroffeason of the gra ul ut rus, an it reson of the ped cle of an ovarian yet. In doubtful cases exploratory pu cture of the vagina may be m de. Michel does not th & that Abderhalden a reaction can y t be d pends 1 upo He would not att mpt sounding or cur tt ge on ar ount of the danger of ia ection. He agrees with 5 gwart that ope ation is a social necessity G SELEG

Noting N Treatm at of Early Tubel
Pregnancy with Report of Cases. V Oct.

By rg Gynec & Obst.

Since January of the author has perated upon 20 cases of rul tured tubal pregnancy with one death hine cases operated upon mined ately after ropture were 12 a serious condition

In case of doubtlad diagnosis the patic is were kept under careful observation in the hospital kohlmans ope ates immediately without withing for recovery from shock. I cross cases inclusion

is beginn as the abdom in is opened. The abdominal routs as always thosen. Large clots and higher bloods are removed but no claborant toulet of the personal cavity is made. The diseased tube is always removed. The other tube is not removed if healthy life prefers to drain these cases through the posterior vagnal forms. Wis. II. Cart

Saelitzky Eclampela without Convulsions (Ethanpme chine & Ample) Periods f Prof Poleds sky

Moscow 014

By Zentraibl. I d. ges. Gynak. u. Geburtah. u. d. Grenzeh.

The author discusses the different forms of in toncation in pregnancy and trees to classify them for cancilloning a pregnancy and creatings, being the tentral conclusions. The maniformed changes are selected or conclusions of the maniformed changes are selected or control of colorance and control of colorance and a whole and classification or companion as a whole and classification or colorance are as whole and classification in the control of colorance are colorance and colorance are colorance as a change without classification of colorance and colorance are changes without colorance and colorance are colorance as a colorance as without colorance and colorance are colorance as a colorance as without colorance and colorance are colorance as a colorance as without colorance and colorance are colorance as a colorance as without colorance and colorance are colorance as a colorance are colorance as a colorance as without colorance and colorance are colorance as a colorance are colorance as a colorance as a colorance are colorance as a colorance are colorance as a colorance as a colorance are colorance as a colorance are colorance as a colorance as a colorance are colorance as a

The case history is go en of a 35 year-old pu miputa who was troubled with difficult respiration headache and severe pain in the region of the heart till her labore had been d fittult on account of coa tracted pelvis Fortal heart sounds were not perceptible. The child was divered pontaneously was lead and wrighed 2,050 gms. The plac nta was also d incred pontaneously Four hours later the patient sho ed re tlessness, disturb ance I truon twitching of the face muscles, come but temperature normal lifter one and one half hours come occurred again and lasted for five minutes The pulse was e40 leterus developed The per cent of albumin follow d by come again was 8 there were different forms of cylinders Anuna ensued and the patie t died of he rt failure and a dem of the lungs I out mortem examination showed parenchy matous degeneration of the he m musel the liver was enlarged and had necrotic for: us stass and ordema were present. The ladneys were large and ordemat us. There was bloody transudata in the pleural and perstoneal ca it's Microscopically there was sho neuros s of the bra n troue hea t muscle Lidney epithchum liver cells and lung tissue. There was total necrosis I tissue in the spicen, also in the mammary gla de pancreas, thyroid nd inter atitual tissue f the uterus. The diagnosis was pecrosis of the acera Th author veludes The micro-organisms that were f und is SCD6b. places had entered post mortem

He collects 5 cases from the laterat re - 34

of them or 66 6 per cant dued. The author thunks that it cases of 'Ubeck; that recovered bould be excluded and the brangs the mortal by up to op per control of the brangs of champan is rapid the largy and scrum treatment. Expectant treatment is trustonal. Blood latting is occasionally highly The work is accompanied by a habbography of 0 titles.

Lichtenatem Euphyll n.as a Dioretic to LeLampila (fl bungd c Durese bei Llampitache koma durch naramuskulare l phyllanaj ktom) / all f 6 salt o 4 x x x 8 833 Bj Zentralli d ges Gyali u Geburtsh d Grenzseb

Lichten tem reports 6 e cases of champas a which he pictressed the defective duries by 1, 2 toos of cupbylin. Ventical judgment of the effect of the remedy in the cases given is as the substance of the advantages of the new duritue prompt action and the possibility of application also greenon—should be unitage by by a consect produced by the consecutive of the consecutive

to the s

Bernstein R Dermatologic Toxemiss of Pres.
nancy; Thus Recognition and Treatment
Il haces Math 014 b 60
ft) 5 rg G oc & Obst

The outhor describes birefly the dermatological manifestation of the taxmas of pregnancy which are he says little different f om those of any other totama. The treatment in the sain could not dependent upon remon go the tax in conditions the sain that the particular water opens the boxels, and uses a ner determined water opens the boxels, and uses a ner determined to the sain could be a calamine lotton an outment as unquent basinative or an obeginning substance—as in a off emission. Internally he uses the remecters in dut tell by the general skin condition.

CHD

Richter W. Air Embolism in Criminal Abortion (Ube Luitembolie bet kriminelle 'btresbung) If nestsch' f Geb et h G G 40, 9 4 12 6 50 By Zentralbl, I d ges Gynkl, u Geburish d. Grenz, b

The first case was no a 26-yea-old woman who had nyerd sospouls into the uterus w th the so-called halfoon synungs and was found dead. There was founny blood in the right heart. In both ownson arteries, especially the right one and in the inference woman cva then were also man rous are bubbles even to vary the week of the special count and the uter the week of the special count and the uter has well there was also fount blood from the fount blood.

The second case was also a 28 year-old marned woman who had attempted abortion with an irrigating aying and bone need solution liere too

there was foamy blood in the right heart the inferior years and the pelvic years.

In all case of sudden or unexplained death in pregnant since it is well to thank of the possibility of embols in from air or from the injection of toxic substances into the circulation of I air embolsam is suspected the autopay must be performed in a supectal way. The shull should not be opened before the action of the abdominal organs because blood may slow out of the longitudinal sams and allow at the interpretation of the depth of the control of the organization of the longitudinal sams and allow at the interpretation of the longitudinal sams and allow at the interpretation of the longitudinal sams and allow at the interpretation of the longitudinal sams and allow at the first three three three should be supplied the douche The fatal result may not follow immediately his latest reasonable to the latty.

Became,

Vauciaire and Tissier L. Gangrenou Perforation of the Uterus after luduced Abortion (I crioration titus partenduse pres a votement proto-q & Bull See d m d / g d F suc rogs at 0.8 Pr Zeatrable | d gen g Spak | Geburtah d Grengech,

Infectious metritis to only exceptionally the cause of gameroon periforation of the uterus the great majority of the cause are caused by mechanical or chemical mujor of the wall of the uterus. In support of this war the following case triported Lapanomy was performed on a so-part of day for period the state of the s

RUBERION

Lepage G Treatment of Abortion (Conduite à tritt dans les acode is conséculis à l'orient).

J d'avel 1 d' hir p 4 1 S

By Zest ibl f d'ges Gynak u Geburtah, a. d. Grenzgeb

The majority of cases of abortion are criminal in nature It is d nable to obtain a knowledge of such procedures beforehand as the treatment depends on whether or not they ha e been undertaken Spontaneous abortion has a favorable prognosis if not caused by a febrile general condition. In alchrile two st go abort one the expectant method can be followed to a considerable le gth of time If crimi nal attempts ha e been made previously the ex pectant treatment must be shortened. In attempt should be made to hasten the debvery of the ovum by ulphat of quante II this medication has no effect the t rus must be emptied with the hinger or with instrume to under the co trol of the finger If f yer appears after the empty: g of the uterus. the uterus must be arrigated and drained and often curetted The latter should not be done when there are symptoms of disease of the adnexa uterus or peritoneum In abserss of Douglas pouch colpot omy may be useful. Hysterectomy is seldom ne cessary generally local treatment is sufficient if it is undert ken soon enough

With these methods of treatment in 370 cases

there was a total constably of 1 62 per cent. It was 0,30 per cent in the cases where operation was not necessary 4 per ceol in the operative cases. The prognosis depends less on the method of treat ment than on the condition of the pytient when she reaches the hospital.

Fra harpty.

Deletrez Dermold C3 ta of Both Ovaries and Freg nancy (h3stes d rmoldes d s d ux ovares et grosseve) Bull Soc brig de gante et d'obst 9 4 a 45t

By Zentralbi I d ges Gynal, u Geburtsh s d Grenageb In 1 132 cases of avanan tumors the author has encountered pregnancy 12 times Torsing of the pedicle occurs aftener in the first helf of pregnancy than in the second Rupture of the cost does not occur any more frequently in pregnancy than at any other time Every ovarian tumor diagnosed during pregnancy should be aperated on O arrotomy is justified by (t) the dangers to which the woman in exposed during the pregnancy such as torsion of the pedicle rupture and suppuration (a) the complica tions that I may cause dun g labor and (3) con aderation for the child a life. In pregnancy there are 17 per cent of shortions and 30 per cent of the children die during labor. The abdominal route is to be preferred to the vagonal Deletres reports a case of successful removal of two ovarian tumors by the abdominal route in the third month of preg nancy

Baniater J B. Pregnancy Complicated by Sciero Mn b a Cordib Two Laser Treated by Hirster otomy under Spinal Amerikaela. Le cri Lond 19 4 ch 444 By Sung Gynce & Ohat

The first patient was a primigravida four months pregnant with uncompensated matrial stenosis. It the time of delivery she had ordema of both lungs 5he was delivered by vaginal hysterotomy under somal anarshema and dued the next day.

The second patient who was a ght and a half months pregna i had moorthis pregna it had myocratisal degeneration. There had been three Islaures of compensation in the last three pregnancies. She was d livered by badominal caser a section and was si riluxed during the fifth decompensation occurr g in the fifth pregnancy. Both mother and baby dut w. Il

The author believes that hy t rotomy vagunal up to the twenty lourth week and abdomnus afte that date underspanal anesthesia is the best method of treating severa cardiac lessons as it a there the pat ent to the least st am buccess of pregnancies materially shorten the apectation of hie and for that reason terthization should be carried out whenever princt cable

T C fave.

Bertlich H: Interference with Pregnancy ad Labor by Malformation I tha Uterus Especially Uterus Bicorni (Saha agerschaft und Gehattstrungs b. Massbild ag des Uteru spendl be Uterus bucorni) H lin Rand

by Zentrabli I d ges. G) nak Geburish d Grenzych
The author discusses the disturbances of preg
nancy and labor from becommute uterus hasing his

conclusions on 5 cases of his own and 60 from the hierature. The most frequent complexions are a feedding to premature observation of the pregnancy lengthening of labor rupture of the uters, abnormalities in the position of the fotts and interference with the third stage. Diagnoss and treatment are discussed and in the matter of tre tment Strassamana method of using the two horas of the hieroruteat uters is preferred. Strass

Remy S and Remy A. A Case of Death from Embalism during Pregnancy (Un cas de mort par embolie a cours d'la grosseuse). Res mess de g née d'obst 1 d pédiat 914 is 53 By Zentralbl f d ges Gynak. Geburish. d Grenegeb The anthors report the case of a VI-para who after the fourth pregnancy had had an inflammation of the intestines from which she soon recovered The fifth delivery was round and uneventful and the puerperiam normal. In December 191 after he had sinpped menstructing the menses reappeared, but the hamorrhage stopped under suitable treat ment and the pregnancy continued Sept mber 24th was reckoned as the time of the begins of pregnancy On the seventeenth of June she lained of pains to the cal es of her legs due to indureted cans but the trouble improved with rest sod compresses. Ten days later she had pass in the pubic region. On the morning of the third d audilenly became pale and of July she got up fainted Sh recovered consciousness but felt very bad The pulse was lad ad the respirators ateasibly grew more rapid. In spite of abundant administration of stimulants she grew worse and worse In the afternoon labor pains began T en ty two hours after the appearance of the first symp toms of embolism she died I ortal heart sounds were still heard afte her death, and as the pains had already dilated the os the child was extracted

Delagénière If Perrucious Vomiting of Pres nancy and Appendicitis (\ mraements incom bles de la grossesse et ppendicite) G de guite

by erston The child was dead

By Zentr ibl f d ges Gjnak Geburtsh d. Grenzgeb Del gunere ga es five case histories in deta l'and point out that in certain umber of cases per microus vamiting of pregnancy is caused by chronic appendicit with acute or subacute exacerbations Appendent my brings about a cure of the oming without the necessity of interrupting the preg nancy He helieves that the majority of cases of permicious vomit ng are caused by some imitation of the pentoneum the pent ne m being sen satisfed so to speak by the preg ancy. The caste of the orniting in some cases may be appendicitis in other retrollexion of the pregnant uterus salpingitis ocaran cy is etc. f uch cases it is only necessary in remo the ca se n orde t cure the vomiting Emptying the 1 s has the same effect be use the se sit caess of th uterus is decreased but if pregnancy occurs gain the omit ing is sure to return FRANKE STEE

Lynch F W r The Treatment of Pernicious Vomiting of Pregnancy J M k St M Sec 9 4 may 459

By Surg Gync & Obst
From his investigations the suther concludes that

the term ammonis coefficient should be discarded by the should as nancortast in rocaning unless qualified by the should camounts of ammonia it is supposed to describe. There is doublies as tooseme basis for all cases which describe the diagnoss of hyperements gravifarium. These cases present the unmanagement of the control of the cont

It case of the chronic type the following treat ment has rarely failed. Rest in bed a most important Large doses of bromide an in 60 gr q 4 hare given by rectum bodium bicarbonate and glucose are also given. Nothing a given by mouth for sevend days until the bromide has taken strong for sevend days until the bromide has taken strong well tolers? It is shown to be sufficient to the first the seven that the seven will toler the seven the seven that the following the seven that the following the seven that the seven the seven that the seven th

Ca arzani D Bossi s Method in Osteomalacis (Die Methode Bossi be Osteom laci) Z ni elbi f

By Zentrable I der Gyests G burtsh d' Gensageb
The nuther sport the r uits he he butst et
the nuther sport the r uits he he butst et
with Boast method of a freen but ter tement no
sol omalac a. Boost bet c that the adrenals
ance in bone metabolism in fit triked purity h
same in bone metabolism in pega cy the bal
ance in bone metabolism in fit triked purity h
same of the period in the fit triked purity h
same of the period in the second of the period
a sia secretion o the tostcom it us sproduced
which night in the play ology all banger of
pregn y. The best proof f the thory is the
result of irmal in a since t.

The se which ree wery he been bit ned by putatir thyn d t are to be regarded as the rull of reproceing the series of the series

LABOR AND ITS COMPLICATIONS

Samonow St tistics of Deli ery in Contracted F is (2 St t ak der G but ber Berken, ge) F i k f F d I obed by Moscow qua B Jenuralbi i d ges Cynak Geburch a d Grenrych.

The wol is based o 8661 obstetrical case hat ice Of these 2,313 w e t contracted rel as

— 26 o per cent There was operative delivery in 222 cases In primipare the most of the operations were forceps at the outlet and in the cavity of the pelvis in multipare high forceps perforation attl ficial premature delivery etc. There was periora uom in 6 per cent of the operative deliveries

Artificial premature delivery gave unfavorable results for the children of whom 75 per cent died Operativo delivery was necessary in 12 6 per cent of the primipare with contracted pelvis and in 8 3

per cent of the multiparæ

Der Celt of its mindipater.

The importy of the operative deliverae were in eases of fair pelves \$3,6 per cent of the primapare hardward of the period of the primapare hardward of the period of the

Stroganoff W W Manogement of Labor in Contracted P f is (The die Leitung der Gebig the engem Becke) R k h o 4 No 8, 633
By Zentralki i d ges Gynak Geburtak a d Grenzg k

The author gives a general review of the methods of operation in use in labor with contracted pelv's, and from the statistics of material and infantice mortality in operative delivery and spoutaneous delivery with a true conjugate of y cm or more comes to the following or clusions

In absolutely ontracted pelves—true con jugate 5 5 to 6 5 rm — exesuran section should be performed. In infected cases or those where infection is suspected it should be done by Kustner's

or Latzko s extrapentoneal method

2 With a true onjugate of 65 in 7 cm and a ing shild case can section should be performed. Perforation should be done only in case the mother refuses a major peration. If the child is dead perforation should be done.

3 With a true conjugate of 7 to 8 or more and a king child the author recommends. (a) In prin pairs conservant treatment If the head enters the pel is sod operation is indicated forcers dehern my be undertaken II in the second at gethe head rem ins for some hours above this picture after extraprentineas casarean section should be

alet extraperationeal casarcan section should to be recommended to the mother of she does not consent forceps hould be attempted and if this fails, perforation must be recorded to (b) in multipare, who has had it mg nd visible children before expectant treatment should be treed first and force forceps or if the head does not enter the pelsis, the contract of the children before the pelsis, the children before the children beat been eydifficult art fault pressure and if it fauct pulsotomy forceps or possibly perforation has been undertaken during pregnance and the proposed during pregnance and undertaken during pregnance and the proposed during pregnance and undertaken during fabor under the contract of the contraction of the contract of the contraction and the contraction of the contraction and the contraction of the contraction and the contraction and the contraction and the contraction of the contraction of the contraction of the contraction of the contraction and the contraction of Kiratein Dell ery of a Woman with a Kyphotic Funnel Shaped Publa (L. thadu g einer Freu m t kyphotischem Trichterbecken) If einek f

m t kyphotischem Trichterbecken) M sincke f Geburt k. u. Gynäk 1914 axxix, 713 By Zentralbl. f d. ges. Gynak u. Geburtish, a d Greenzgeb.

A very small primition and a tackfilte double shaped cursature of the spine and marked fundel shaped pelvis. The promontory was displaced for the factories of the pelvis and the secretary of the state of the tuberoutes of the ischia invarid so that the outlet tuberoutes of the ischia invarid so that the outlet transverse of cm. After 15 hours puns the head after reached the four of the pelvin in good position and the reached the four of the pelvin in good position and the reached the four of the pelvin in good position and reached the four of the four this is a bridge of the four of the four the fou

Florence J Frequency of Shoulder Presentation Indications for Version and kniley arouny (D In Irique co des price taxions de l'épaule indica tione de la main et de l'embryotomie) Bull Sec Coloi de la main et de l'embryotomie) Bull Sec

d'ob i ide gi & d i ar qui ui 375 Bi Zentralbi i di gen Gynak u Ceburish a di Grenageh

In the tropics where rickets is unknown and abnormalities of the pel as are rare embryotomy is seldam if ever pe formed but version is performed even in extreme cases of trans cree presentation The nuther believes that podalic vers on should he undertaken only when the hand can be inserted in the uterus but that a hen the hand cannot be Inserted a mutilating operation should he performed Rupture of the uterus by the hand is not much to be feared In 66 cases of version the author has never seen it occur Embryotomy with Museux's in strument with ut decapitation is to be undertaken only in severaly injected cases of trane erse presenta tion as the latter method can he carried out with out a completely dilated on without excual in strumente and without any great degree of a jury Down

Potocki and Sauvage Retraction of the Uterus on the Decapitated Head (Rétraction de 1 uteru sur 1 ète ientale separi pa decellation) A n d syst et debei 913 xll 337 By Zentzibli i d gas, Gynak Cebustu's d Grenzgeb

In order to extract the decaptated lead increase and the many with the finger places in the many many the many forms of the finger places in the many consultatively contracted all these methods may all even used a meables in Them an attempt must be made in relax the uterus by the gas ng of large doese of morphan or chloral. The deinery of the head at then easy, and often occurs epontageously Though the freed has been consuperated the total contract of the desired of the desired in the desired of the desired of

tion in a girl of 17 as it was not possible to reach the head in any other way the uterus having contracted tetanically around it ther having septic paroitis the girl recovered.

Zimmermann R. Cause of Surprisingly Rapid Delivery in Disease of the Sp nai Cord (Uber dis Ursache des überraschend schnellen Gebrusall wes bei Rickennankserlankungen) A & J

Gyatt 1914 CH 163 By Zentralbi. L. d. ges. Gynik, u Geburtah, s. d. Genegeh,

A JII para had an attack, of acute antenor policy mychist, and barrly three hours after the rupture of the membranes a vary large child was dult end in spate of the complete fact, of abdomnal pressure and in epate of di proportion between the sas of the child and the pelvas. Such in surprangly rapid delivery vanule suggest the thought that the activity of the uterian su submided and thet certaining of the contraction of the con

effect on the activity of the uterus. Complete anesthesa of the long half of the body does not delay debroy? If intal paraly in of the long that of the body and the longer that of the body and the longer that of the body and the longer that me to be the paraly in of the longer that the longer that the paraly is brought about hy speak annahmen with the same as the first stage the frequency of the pains a decreased and the panese between them leaghtened in the second stage, however as long at the armothesa continues the length of the punts to the same and the panese between them that the continues the continues the continues the continues of the

Shifeld F Treatment of the Third Stage, and Manual Separation of the Flacenia (Vactor butthehanding und masuelle Placenialous) Links [Gebrille Gall 9 2 lave, 10] By Leetin h i d gas Gyak o Gebrush a d Grangeb

By Zestraikl, it does to your to German's a charge conclusion. Abilied comes in the following conclusion. The less external manupulation of the uterus is done he less necessity there will be for manual separation of the placents. The cases that do occur when he due to pathological cond tonas, and are not dependent on the expectant method nor on external manupulations.

PUERPERIUM AND ITS COMPLICATIONS
La Torre F1 Nutretion in th Puerperium (Cone
pl devs niture una puerpera) C1 n entr Roma.

By Zestraibi i.d. ges. Gyask. u Geburtsh a d Grenzeb.
The surbor thats it desurable that physicians
should go a more attention in the cubject of diet

and reach some conclusion as to the dart of mothers and of grandmothers or old women. To order to decide what outsides is suitable for the purperform we must take into consideration what has happened and what is still to happen the tooms collected during pregnancy and lator must be gotten rid of during pregnancy and thour must be gotten rid of condition while undertgoing a period in which certain injuries and alterations are still affecting it such as lockus milk secretion excessive exerction of sweat and unner

and unne.

If the physician keeps clearly in mind that the
puerperium is a time during which the injured
will be a subject to the proper of the control of the
unity of the control of the control of the control
ull girk hum a clief to the proper deel to green
though of course the constitution and conditions at
the office of the proper deel to green
though of course the constitution and conditions at
life will probably have considerable opposition to
or erconic in the energying out of such a regime for
the public is all too much include to softene to the
old like ideas according to which the body of the
old like ideas according to which the body of the
old like ideas according to which the body of the
nutritions understanced by a dat of its and other non
nutritions understances and by acrease purgation
sometimes even by blood letting. The author
thinks that many diseases of the puerperium are
permanent injuries to the system can be avoided
by a sustable det

Beckmann \(\) Puerperal in ession of the Uterus (Eange Bemerkunge ber d pu roe al Uterusi eruson) \(Z \) nirelb \(f \) dh \(\text{q} \) \(\text{xz} \) a \(\text{dos} \)

B) Zentralbi \(d \) ges Gynals Geburus \(d \) Grenzgeb

Becliman reports two cases in which he under took sperait resistence by Kustner Pecco is method. Both cases were apparently pure cases of inversion, but afterwards both showed serve symptoms of infection from which one died. There were the operation he tested the unser surface of the unerus in the second case with inecture on it. He sight Douglas po the open and drauned it. There was local infection of the pehic peritoneum but the pathod recovered.

He sees a furthe disadvantage of this operation in the gaping of the edges of the uterine wound In both hi nases he thinks the inversion was entirely spontaneous he explains it as the result of decreased to us if the uterine muscle in connection with parelysis at the 1 of the placents about cord large placenta or location of the placents at the funding FRANCHER STATES TO THE PROPERTY OF THE PROP

Flint J A R troduplacements of the Uterus, Following Confinement Am J Obi, 94 i By S rg G) er & Obit

The author calls ttention to the fact that while many papers are written on displacem sits little has been said of the brequency and causation and that the writers of textbooks n betefree have passed it by with a few general statements egarding the use of the knee chest position n the pessary In 272 private and hospital patieous there was a retroversion in \$6 or to 3.7 per cett. Of 37 cases occurring in hospital practice \$2\$ were primiprize and 9 of these had no appared facestion. The author believes that retroversion after labor is accidental occurrence that is a heavy uterus (red) movable in the pelvis may be turned over bock ward or may remain forward according to a vancity of circumstances. He cites two cases in which the uterus was lound in position and in which a retroversion occurred a short time later due to constipation.

A slowly involuting or a subinvoluted uterus abnormally movable after confinement and often associated with lacerations, is the condition which course return errors.

Laceretions of the perineum and of the cervix delay am olution not only of the uterus but of the vegina. Of 35 primipare lacerations occurred sixteen times a frequency of 64 per cent and in the 37 hospital cales lacerations necurred twenty are times or in 73 per cent 48 per ceot of the primiparie had a laceration of the cervis.

In roc cases in which there was no retroversion there were 8 primiparse and 2 multipase Of the 78 primaparse because of the pernaeum occurred twice causes streequery of 7.3-per cent and facer ations of the crivia 1 times or approximately 18 per cent of 5-per cent of the multiparse had facer ations of the crivia 12 per cent of 5-per cent of the multiparse had facerate the period of the complete tear through the planeter but no displacement of the piteria.

By a coding Accrations by adding the involution of the uterus by routine binantial examination and the us of the lose chest position after the twelfth day the author beins es that half of the retrodisplacements can be prevented. When retroversion does occur the treatment should be begun at once C. H. Daves

Jennilo, C and Levant, A Profincatic Value of Study of Hiemotories in leterus during rise Puerperium (Contrib ton a tétud de la aleur prognosique de l'recherche des hémocouse dans les actures de l'puerpé alt.) t & st ss. d'ob l' de l'experience de l'actual de l'actua

In the first case there was marked cterus dun g pregancy. After the groung of nutter there were ammetese numbers of hemochonus in the blood which had not been present before therefore no operation was necessary. The delivery was normal. The permicaus somming of pregnancy was present in the second and thard cases. In both cases there were only a few hamokonia in the blood—two to three in a field therefore the prognosis was grave. Artificial abortion was performed followed by tapad recovery

The fourth case was puerperal infection with acterns. There were no hamokoniae in the blood. The patient died. Autopsy showed severe changes

in the liver

In the fifth case there was infection of the amusotic found there was slight kierus, but no hæmolomie. Diath ensued on the third day There were marked changra in the liver which were demonstrable however only under the mucroscope

Important conclusions cao be drawn therefore both as in prognosis and treatment from the candi tinw of the haemokonia Lack of them always indicates severe lessons of the life in Kanop

MISCELLANEOUS

Pinard A.) Signs and Diagnosis of horms) Uterine Pregnancy during Its First Half (Signs 2 diagnostic de la gestation uterine et normal pend nt as première motté) i d gi & i d'aist

gr4 st ros By Zentralbi, f d. ges, Gynal u Geburtsh a d. Grenzgeb

The author discusses the signs of pregnancy that appear in the vity beginning and are manifest in the uterus (1) the consistion of mensirusion and (2) the combined examination of the uterus is laborated to the combined examination of the uterus is laborated to pressure. He could not demonstrate Hegars sign in French women without using force in the camination. He more classification of the more classification of the compensation of the compen

Franz, R.-i. The Antiproteolytic Sectum Action in Prejnancy Labor and the Puespettum and the Significance of the Autitry poin Wathord in the Serological Diagnosis of Prejnancy (Uber due antiproteolytische Serum urkung Schwang erschaft Geb 1 odl Woch bett in die Bed utung der A utrypsinnerhod für die serologisch Sch ausgenchaftschapponisth) Araf J G 42 9 4

By Zenziali I d ges. Gyank a Geburub d Grengeb-The author aboved in an earlier work that the increase of the authryptic serior titler is a pingloss of pregnant and the first them the serior of pregnant and the first them the serior of the serior of pregnant and the serior of the s

"With the aid of the Fuld Gross method and its mothfaints by Rosenthia and Pfeider Franz tested the blood of 47 mmes at different periods of pregnancy labor and the pureprenium. The itter curves show that in the great majority of the case (34) the titer nest under normal condutions during pregnancy and labor and gradually anals again during the pureprenium. The me during labor

occurs during the first and second stages while two during the third stage it annals to a vight with almost as low as that at the end of pregnancy When follammatory disease counts with the perg nancy there may be a further rise. To two secocionapsia and one of dermatous of pregnancy there was an acutryptic section which was in creased over the normal

The rate in the title can be used in the dangement of pregnancy it is not specific however it is increased in any condution in which there is in increased in many condution in which there is in increased in many condution and has highman, carcinoma Basedow a disease fever suppurative processes and disease of the shorters. At present, the processes and disease of the shorters, at present, or preferable in the anti-typina method on increase of preferable in the anti-typina method on increase.

Abdrichalden E. and Fodor A. Purther Study of the Presence of Foreign Formodyric Fermination the Blood of Prefanant Vennen Estama sides and the Dishams with No holy driv and Determined the Blood of Prefanant Vennen Estama sides (Content by Vienna of Micra-Analysis (Victor Unturachung über das A first a Multender protesty) sich F. meste en Blete Sch augret Uteruchung des Publysters mitt is haabigdur protesty and the Present of Microality of Publication of Publishers mittel Schulpfur (Philameter and Handau) and Publisher and Handau Schulpfur and Publisher and Publisher and Handau Schulpfur and Publisher and Handau Schulpfur and Publisher an

B) Zentralbl. i d. gen. Gynak. u Geburtak a. d. Grennych In this series of capeuments the authors determine the catabolism or opo-catabolism of placental albu m a with sers from different sources not only ith unhyden but by determining the nitrogen in the dialy sate by Pregl s micro analytical method Th experiments showed marked agreement in the resalts from the two methods \on pregnant patie is almost always showed a somewhat lower nitrogen content in the dialysate In some cases — cyatoma and retroversion - this difference was considerable The increase of the dialy cable nitrogen containing substances when the serum of pregnant women and placenta is brought together and the failure of this phenomenon when the scrum of non pregnant per sons is used shows very clearly that in the latter ease the placents is not catabolized. The anthor believes that Flatow is wrong in his assertion that all sera catabolize placental albumin

Echols, C. M: Limitatians of the Disiyais Method as a Practical Teac for Pregnancy J Am H A 1914, kmi 370 By Surg Gynec & Obst

The author carried out the dislysis test for pregnancy in 93 women in of whim were known to be pregnant. His results may be briefly summarized as follows.

The pergas t women of the sense practically all gave posit ve reactions fact the last fifty some off gave posit e reactions except one who was bout in weeks pregnant as proved by an bortion to months later T el eper ce to the non pregnant cases ga positive reactions. These included

several just operated on for acute or chron c appendicitis pus tubes fibroids and ovarian cysts

The dualysis test for pregnancy in its present stage of development is of value chiefly in a negative sense only that is, if a woman fails to give a positive reaction she is not pregnant. If on the other hand she gives a positive reaction we can only asy she is probably pregnant for with the present tech mque from ten to fifteen per cent of non pregnant persons will give positive reactions

EDWARD L CORNELL

Leitch, A.; The Serum Distinguis of Pregnancy and of Cancer a Critical Study of Abderhal den a Method Bu M J 0 4 m 330 By Surg Gynec & Ohst

The author reports 102 cases tested for carcinoma n which 51 cases of known cancer gave only 55 per cent positive results while 40 known non malignant cases gave 37 per cent positi e results. He con cludes therefore that the method is without

durmostic value He behaves that the fundamental experiments upon which Abderhalden has based his hypothesis do not cos r a sufficiently wide field lie thinks that many of the unexpected false results obtained by numerous we here have not been due as Abder halden halieves to improper technique. To dem castrate this point he considers all the errors that may be encountered in deal g with the substrate

the serum and the dialy sers

He considers it impossible to render the placents cancer tissue or other material used as substrat absolut ly free of blood although \bderhalden requires th t this shall be done to make the test uccessful He has moreover observed that the water in which the substrate ha be boiled occasionally gives positive reaction with a west soluti n of ninhydrin and non with a stronger nd that uccessive boilings will som times de velop a filt ate which reacts post by who the He is unable t previous tests were negat explain these phenomena but considers that they materially in ate his results. It has test d 30 sera w th such mert ubstances t rained sponge kaohn and glass wool used as substrates and has obtas ed ma ked posit e residts This con vances him that t is not so much the serum that plits up the substrate as 1 is the substrat acting by virtue of to physi al propertie that phis up the **≪rum**

Hamogl b n t 1 ted serum is appare the har at n tic of some patients and apparentl gi es a maller pe nt ge of tro th n shrn absol t ly lear serum sed in the gre t majority of the uthor ase the serum was obtained at oper tron or bout a hours all the l 1 m al li found hower r that it ga no built ree all that the serum brained whi th patie r was aling or Incth afters rd

The perm bility () gle lializer was f and not to be const t b t 1 de rease or ner se with

Consequently a thimble that had previously given a satisfactory preliminary test might be absolutely useless when employed with a suspected The author believes that the only way to obtain rehable readings is to manifold the tests and controls and strike a just average. In his opinion a single test is worthless

He concludes that (1) the real fallacies of the test are beyond control and (2) that the hypothetical fallacies invoked by Abderbalden to account for false results have no basis in fact

Engelhorn E. and Wintz, II A New Skin Reaction in Pregnancy (Über ein us IIa tion in der Schwangerschaft) If siche II chieft 1974, Izu, 689 ue Hautreak

By Zentralbl. f d ges Gynal u. Geburtsh a. d Grenzgeb

The authors give a report and discussion of the pregnancy reactions published by Abderhalden Merchardt and Rosenthal. All these reactions are hased on the assumption that during pregnancy a foreign albumin is circulating in the blood of the To demonstrate these hypothetical organism substances the authors made use of a cutancous vaccination with an extract of placenta called placentin. The react on is analogous to you Pirquet s tuberculin reaction and the luctin reaction All pregnant women reacted positively and all mature non pregnant individuals negatively fore menstruction in non-pregnant undividuals there was an irritation at the place of vaccination

Adam Es Changes a Pregnancy and Labor (Ube A gen anderungen b Schwangerschaft d Geh n) U sat hr f Geb steh G ab 803 9 4 mm 803 By Zentralbi i d. ges Gynth. Geburtsh s. d Grenzgeh

The in ol cment of the retina in the kidney in flammations of pregnancy is relatively rare ally the symptom is the seeing of only a dark spot when looking t a fixed object With the m reor ch ges can be seen in the optic nerve and the ret a Complications during pregnancy are detachment of the retina and occlusion of the cent al stery or ein The prognosis of albuminume retimitis with regard to vision in later he is serious Detachm t f the retina has a better prognosis in

Interruption of pregnan 3 is justifiable in retinal changes and it is better to perform it before pronounced changes take place in the retina, If retimitis has hagun the risk to the mother's sight is not so ery great if the pr gnancy is allowed to continue The condition is different in uram a which the hundress is a c rebral one Sudden

p egnancy tha at other times

blandness may occur in clampsia also generally it is preceded by a decrease in "isual acuity" nd i color visio W th the mirror no signs of increased intracr mal tressure re driected but in about four per cent of the cases there are extrust e hamor hages in the choroid a d thrombosis of the vessels of the choroid C tion should be exercised in the

prognosis of these eye changes both with relation to the severity of the erlampus and the later dis turbances of vision. FRANKENSTEIN

Khnig, IL: Medicolegal and Psychiatric Signifi canes of Menstruction Prognancy and Labor (Be trage ur forensisch psychiatrischen Bedeutung von Menstruation Gravidität und Gehurt) & ch. Proch at Acreent sails, 1914 lu 685. By Zentralbl. I d. ges. Gynak. u. Geburtah. a. d. Grenngeb

If misdemeanare of any kind are comoutted by a sexually mature woman an investigation should be instituted as to the relation in time between the net and her menstrual period. In certain cases it is well to place her under medical observation for one or better still several months. In each individual case a decision must be made as to whether her responsibility is decreased or annihilated

If hen a crime or misdemeanne is committed by a woman during pregnancy her condition must always be taken into consideration. At this time any predisposition to almormality may become manifest or be increased in intensity but even without predisposition tendencies to crime may develop at this time. Here also the degree of responsibility must be decided in each individual case. In crimia committed during labor trailight conditions due to unconsciousness and excitement or manis must be considered also stupor or twilight conditions based on hystems also such conditions due to eclampsia and englepsy as well as delinium from lever and pronounced psychoses In such cases when there are any signs of aberration a mental examination should be made HANNES

Triepei II Determination of the Age of Human Embryon (Altersbattamong bet mean-bliche Embryon) Anet 1 s q 4 l 35; By Zentralbi f d ges Gyall u G burch a d Grenzeb.

Triepel agrees u th the opinion of frankel Lillemin Miller and others that orulation takes place on the average 18 to 10 day alter the bemn ming of the last menstrustion that is about 2 weeks after the end of the period On the basis of this rescarch the prevalent ideas of the age of human embryos need correction I as a number of young over and embryos Tri pol tried in determine the age and compare the age by the old method with that by the newly reckoned term of pregamy. If worked nut a crtain relation between the size of the embry oundstage The lormula na - ni makich a represents the age of the embryo to days I the greatest length of the embryn n millimetere and s n factor that he has worked out Gottechter

Schmitz, W. Icterus Noomntorum (U tersuchun gen zur P thogenese d klank des Icterus sonns sorum) Disterial C esse 913 By Zentrabl. I d. ges. Gynkl. u Geburtsh d. Grenzyth.

In 1017 Heimann made a la ge numbee ni blood examinations in icterus neonatorum and his results had not been tested since until Opits advised the anthor to take up the question again Serological examination and Arneth's blood count were not

made. The author agrees with lighweser's hamohepatogenous theory of acterus neonatorurs. He lound the hamoglobin content specific gravity and crythrocy te count below normal and the more severe the icterus the lawer they were. The same was true of the number of white cells but there was no variation from normal in the proportion of the different kinds of white cells there was even no

decrease in the cosmophile cells.

Children three days old were selected and kept under examination for four days The results of examination were the same on all lour days. The absolute figures for hamoglobin specific gravity and red and whits cells were always higher in the normal children than in those with icterus The severer the leterus the loser the figures. In those with moderate leterus the weight increased from that of normal children and fell in those with severe leterus. Children with reterus need more nutration. Aucleated red cells, which are rare in normal children were more frequently found in those with leterus often even on the fifth day Frequent pictures of the blood of icteric children showed greater or less collections of unformed plate-FRITZ LOEB.

Taxabus, A. Gonorrhond Ophthalmia Neonatorum Its Frophylazia and Treatment (Dee Ophila moblenorhoen neonatorum shre Frophylazi ad Therapol F see Ard 9 4 211, 08. By Zentralbi I d ges. Gynal. u. Ceburisi, a d. Gennych.

Macroscopically eases of opthalmis meanstarting are very much able whethe caused by gonorrhest or not later in the course of the disease the differences appear which are due to the gonococcus, such as my olvement of the cornea, more purulent secretion, etc The causaine agents of non gonorbaral oubthalms are thirly colon becall stephylocorn, streptococci and pneumococci—the severest rases

being due to pneumococcus infection

The disease generally manifests itself on the sixth in the seventerath day the cases that appear on the third to the fifth day are milder and are effectively treated with n I per cent bichloride solution. It is not always right to regard a late infection as an medirect one for many times the gonococci are deposited during labor in the melbomian glands where they remain wable for a long time and later reach the conjunctive with the secretion Prophy lands with sterile water is not sufficient antisep must be used As salver preparations in open con-tainers generelly cause a sight catarrh t is best to use Hellendahl's light proof ampoules, as the silver preparat one kept in them are practically non-ESPERANTE irriating

Vollhardt, W. Is It Possible to Distinguish Marer-nal and Fortol Bloods by the Newer Mathods, (1st die U terschot ag 2021 inches nd 6than Bluers nach neveren 11 thod mbglich)? Zestraill

By Lenicaldi (d. gra. Gjahl Geburtah d. Grenzgeb. The diff rentiation of maternal from fortal blood may often be decres to in case of suspected murder of a child after illegiumate birth or emunual abortons of vollbards has tined two methods that are very much under diacussion at present and concludes this Abderhalders prepaney reaction exames this tax be used for the purposes of legal medicine. It only great certain results with fresh serum but fails in old, non stenile and harpolytic sera and in extraction to the contraction of the contract

Better and more accurate results are given by cumann and Herrmann's bonchemical method which however is not absolutely reliable from all pounts of new It can only be certainly determined that it is festal blood when the test is negati a convenience of the configuration of the confi

Deresse, F Causes which Prevent Women from Nursing (Der causes qui mpich ties f mmes dallatur) Ren best dahu et d Misst a. s.

d allatter) Rep prof d obti et d paleat 9 4 xxx 11 5 By Zentralbl. f d. gra Gynal, u Geburuh d Grenageb

Statistics are given from Marfan a clinic 100 eases Baudelocque s, 500 cases and Tarmer's 3,069 cases in regard to the capacity of w men for nursing Agalactia or hypogalactia occurred in less than I per cent of the cases Of the 80 to \$ per cent of the women who were completely capable of nursing only 3 per cent nursed their children In the more prosperoue classee on account of heredity and bodily weakness the incapacity for nursing is greater than among the working classes The author studied the causes for not nursing in too cases at the Baudelocqu clinic In 80 cases the cause was the economic position of the women In only 20 cases were there psychic or medical reasons why nursing wa impossible Prophylaxisand treatment could have overcome the ucapacity in half of these case. The economic grounds were gnorance in only a few f the cases in th greate number of cases the w th of the w men prevented them from nurs ng their child en. Itere efforts to further the nursi g of the children should be instituted by the tablishment of mother's rooms nurshing a homes to LANER

Farenago, F. A Placenta Retained in the Abdonners tor a long Time after Extra Lettle Prepanacy (E or each tra t nue Cox of the large de Buchboble nuck phebene Placent) R & By Zentrall t d ge S nak u. Geburth a. d Grenzgeh

In January toto a full term macerated fortus
was removed from a patient and t was said that the
placenta was removed also Extra uterine preg
nancy had been di gnosed; th fourth mo th hut

the patient had refused operation. In December 1924 the patient came to the author. There was a large fistulous opening in the star in the midling which was to em long. The hand could be unserted into the opening. A soft cauliflower like tumor the saze of a child a head could be palipated through the fistula. Because of the abundant himmorrhage the patient was operated on in extrems. The tumor was removed and was found on uncroscopic armonation to consist of unchanged placental tissue. The patient was discharged cured. The author concludes from this case that in exits uternae pregnancy the whole placenta should always be removed.

Wioter G: Sgnificance and Treatment of Retained Fragments of Placenta (Uber Bedeutung und Behandlung retimerter Placentassificke) Mosalick f Geb ! k G så 9 4 xmx 507 By Zengalbl f d ges Gynal u, Geburich a d Grenzerb

From a study of the work published ance the Strassburg Congress Winter comes to the following conclusions with regard to the significance and restiment of retained bits of placenta, Very frequently the retained fragments of placenta cure no local or general symptoms and when they do in the majority of cases it is only local endometries with necrous of the fragment of placenta. The retained placenta never of tited causes severe purepeal feer h it it spossible that it furthers the infection that results from direct examination and medical procedures

The uterus should not be curetted for diagnostic purposes in felend) purpose for it causes shease in one-ball to two thirds of the cases and death an one-ball to two thirds of the cases and death an one-ball to two thirds of the cases and death in the case of the case of the cases of the ca

Agullion L. The Cotalite P t is from the Obst trical Point of View (Court b non à titude lanque des basss cotaliques point de vue Obstatical) The de Sea Algor 913 By Zentrallal t des Cojank u Geburths e d. Grenrech.

The coxalgre pelvis does not have any certain, ichnitely described type such as Normal and

definitely described type such as Nacycle and Lot of obliquely contracted pelus, but chows great variety in its form. In the course of the disease the factors that determine the ult mate form of the pelus are the acute or slow onset of the disease.

its shorter or longer duration, the degree of the bone changes on the diseased and well side and family the treatment long continued immobilization long continued extension immobilization combloed with extension resection followed by pacudar throsis or anxistossa.

Depending on the degree of each of the above factors and the combination of several of them, there result a number of forms of poliva all of which no be destabled more or fee such), in one or another of the following three groups (1) The obliquely contracted coxalige pells such flattening of the diseased able (2) the obliquely contracted coxalign pells such flatt mag of the self side of (2) the obliquely symmetrically flattened on both sides. If these forms are pretured and desembled to detail is the

To the childs disposs the author attaches special importator to internal examination appeals appeal appeals appeal appeals appeal appeals appeal appeals appeal app

eights mouth of pregnancy. The following are the methods of choice in treat ment. (2) Mildred premature delivery after the cight mouth if 10 true conjugate to over \$ 5 cm. (2) pulsations in multipart and when the true conjugate to itse than \$ 5 cm. and mor than 7 (1) praserso action when the true copylate is

less than 7 cm and abec no hving child has been born at previous deinterna.

If attackes of five of the author's own cases are given. Three of them were delivered apout an couping the hospital before delivery and in onpulsionary was performed with good results for mother and child. Lacess

Untiloff: 1-flect of Pituitrio on the Uterus in Vitro (Zur F ge über die Wirkung des Pituitrus enl die noberte Gebarmutter) F si år f Prof Poled

by Mosone o 4

By Zentralbl. f d. ges Gynsk. u. Gebuttsk. s. d. Greazeb

The rabbit a uterus above automatic contractants after it is removed from the body every contraction forming a blunt cone on the curve. U der the in them to the contract of the passes abourier. The effect of patients begin after five 10 to industries above prompting with the mine above the contract of the contract of

There is no difference between the different propertions. Generally a solution of x roos is record enough. It is possible that weaker solutions would produce a certain effect. The best subject for the apenimente is the uterus of a rabbat that has been observed within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days. The virgual rabbat entered within 8 of 10 days.

GENITO-URINARY SURGERY

KIDNEY AND URETER

Grova E. H A Nersona Symptom in a Case of N phritis. J Lancet 19 4 XXXI 438
B) Surg Gynec & Obst

Grove's patient a telephone operator aged 28 with little of importance in her previous history was taken sick with headache nausca and omiting The nausca disappeared but the v miting con tinued She was treated aymptomatically by lavage rectal feeding, and eventually a light diet Lat I she was under the care of a chiropractor for two months During the third month an urinaly six was made and albumin found the usual treatment being prescribed in the fourth month coming under the author a care the following were the findings of an examination hamoglobin 98 per ecot systolic blood pressure 40 mm unne sp ET 10 8 alkaline much alhumin no sugar triple phosphates hyaline casts quantity ,000 ccm in twenty four hours The usual treatm ot was sguo presented plus rest in bed. So loog as she Lept in bed she was able to retain her food but when the arose comiting returned. This om ting came on soon aft r eating preceded by queer feeling which was he ed by comiting but I ft he cry hunger Her weight diminished from 45 to 17 Pounds

During the month month another examination gave pract cally the asme results. She was gain put to bed and later allowed to be up and about She was then given N mwange electrical treat ment - negative head breeze and Mort o wa e current - during which t me she was able to retain most of her meals Wh the electrical treatmenta were disco timued she admitted out ting as before but confessed that she could a oud doing so by

exerting all her self control

In the discussion that followed the hysterical aspect of the case was thoroughly us dered It Was pointed out that in bronic Bright a discase there are a arrety of neurological disorders, both psychic nd sensor, Bernard's famous pera ment in which he produced albuminum by artitation of the floor of the fourth entricle was cited Emphasis was laid upo the fat that chron Bright disease is a tourinia ther than a disease of the kidneys and that the bra and nervous tissues as well as the kidneya m ; be affected especially n uhiecta who use thei ner ous tissues exe sanely One observer had noticed in a number of chronic cases I Bright disease an atoxicatio so characteristic of Gra es disease th t it was not util the urine was alized n i the blood pressure taken or the ye ground exam ed that the true

nature of the disease was determined. The vomit tng in this case was of a cerebral type and not uo like that present in acute exacerbations of hyper theroidism LOUIS L TENARORCA

Tyler A. F. Urmary Calculi Valu of the X Ray in Their Diagnosis. U d & Cat Res to 4

Tyler describes his technique for rontgenologic examination of the unnary tract which is similar to that generally in ogue lie emphasizes the necessity for careful preparation of patients previous to examination and further calls attention to the so called old teak ettle bladder to which there is a deposit over the entire mucosa of calcareous material - here the plate shows a diffuse shadow o er the entire bladder region. He urges the use of the cystoscope for confirmation of findings Four interesting cases of diagnosis by rootgenologie exam mation are reported and the following conclusions are reached

I The use of the radiograph in the diagnosis of the lidney ureter and bladder stoon is painless and should he emphasized in all suspected cases

a The A ray findings are more accurate than those by any other method there being only one per cent of error unde proper technique

3 The use of the radiograph gives an accurate

ide of the location size and number of the stones 4 In badly infected and aged subjects the radiographic method is painless and positi e and often does away with the necessity of cystoscopic J S Essa Bragor axamination.

Grant II H The Manusement of Nephrolithia 515 Lo 117 He M nth J 9 4 XH 75 By Surg Gynec & Obst.

Grant reviews the subject of nephrolithiasis mentioning the generally discussed and accepted theories connected therewith

His pape is divided into four sections

How do stones form a the Lidney? What damage do they do

Hon do we know they are there What is to he done bout it? H believes to n aseptic inflamm tion in

volving the pelvis and sometimes extending to the interstitual tissue f the kidney as a common result of the irritation due to the presence of stone which is usually present some time before infection takes He do bts the frequency of asceodi g infection through the lumen of the urete but believes it

reaches upw rd along the fymphat co of the urcteral wall and the loose connect: tissues diacent

When stones are situated in the upper urmary tract they primarily have their origin in the kidney and migrate from there They do not form in the ureter

The real damage to the hidney substance and associated break in health follows sepais with its resulting recal deficiency and absorption of pus products.

When stone is suspected a failure of the \ray
to show it should not be accepted as conclusive but
repeated examinations should be made and er
plotatory operation done if climical indications point

to a Lidney lexico.

Operative montality is high in cases with advanced sepais and in actual pyelonephritis with multiple abscess the prognous is dismal—as high as 30 per cent.

Grant favors direct operative approach to the stone oud nephrectomy where the Lidney is hadly damaged Farn R Cristico.

Schildecker G. B.: The Poet-Operati e Treatment of Urlasery Lithiasis T tm Ass Ob 1 or G; or Bullalo 1914 Sept B; Surg Gyner & Obst

The author believes that too lathe streams have been paid to the pool-operative treatment of unany lithiasis. The treatment instituted should be based on the chemical character of the stone as determined by an analysis. On this basis a certain disection and medicinal region should be adopted which is best suited to leave the possibility of the formation of a more stone or otherwise diamns, the tendency of growth of a stone affectly present. The points no most off of the points and the considered (i) chemical nethods for shalp as of stone (3) detectic and mechanial treatment of each variety of stone.

Buerger L.: Perirenal Hydronephrosis, Paeudo-or Subcapsular Hydronephrosis. Am J Sarg rosa, kyvn s66 By Surg Cynec & Obsk

Buerger calls attention to the ranty of the conductor which ensure when the unusary secret on finds its any under the fibrous capable of the Mency and dissects this sway from the surfect of the regions of the control of the control

In the first case there existed a congenial obstruction to the unrary outflow to the urefural tract in an infact must month of age which was associated with under cloped infantile islandy together with a hydronocphorite Lideny Upon nephrectomy a large subcapitule scredation irrow into a hydronocphorite control of the properties of the properties of the control of the properties of the properties of the control of the properties of the prope

secting this away with the formation of a pseudo

cyst. The second case s boy 14 years of age had s hattory of a sewere blow in the left hyper ablance and the back five years persons, followed by repeated attacks of renal color. After s second traumatism over the assne Lidney A severa situate of lumbar pain followed, associated with coming and blood for the urne. Replectionly showed a large cystle tumor formed by the accumulation of a unmous cardiate molet line rapsule a hydroder of the control indicator presential ranged enthough The control indicator presential ranged perforation the organ lying fee and noble in the sea.

Brefly the author a two cases presented the following characteristics hydronephrous with marked attenuation of the renal parenchy ma in both mistances in one case a distinct history of transition. In petither case were the climical data sufficient to rouse even a surepcison of the exact sandomical is sund

Loughnan F M: Renal Sarcoma of Infancy Best J Su g 974, 11, 77 By Surg Gynec, & Obst.

The suther a report is based upon thurty 6 cusses, for sutepassay garacted from the principal London beautiful and the principal London beautiful from the principal London beautiful from the principal from the first from the principal from the first from the principal capacity amounted to 69, of which aga were under the age of fix years and the balance from fix to follow part showing a relatively high ratio in this united:

S) mpt materiog: The patient appears halles, and emanated in spite of the large abdoness which is oftentures the first noticeable approximate. Pans is the loss of back was noted in only do it the Sy cases. Forever ranging from 90 to not degrees as the rule as m common in rapid sections. A mile fleuocy loss, was observed in a few cases, and a lemocy loss, was observed in a few cases, and a

cough probably conserved with has nectatass are the conserved at y while ander observations and in y additional cases a bancy of lexibilities and only additional cases a bancy of lexibilities and obtained. Either hematures or allowamours was present in 10 case to per cent and as an infinit symptom, in y per real for each result estimated for their interpretation upon the relat to output of findings much close y accordant for their interpretation upon the relat to output of findings in the close y accordant for the contemporaries of the contempo

left ande in 7 on the right 3 minerals was unrecorded to 3. Melastane occurred in the in 4 concentral two glands of the interest in 1 does not be in the interest in 1 does not be interested in 18, the folded and the interest in 5 The tumor in 18, the folded and the interest of accountaints elements of the interest of

collecting subules) cartilage and enthelial pearls and ganghon cells are also occasionally found. These structures are very tarely true teratomata but more frequently teratoid the result of metaplasia (Adami) The emblastic elements are generally limited by

their basement membrane

Pr g asss Eighty per cent are said to have had recurrences 70 per cent the first year. The ammediste operative mortabty was 7 7 per cent a reduction from 76 per cent in 1885 Out of 12 nephrectomies 2 died in six months from recurrence x in 3 months from phthisis 2 were alive and healthy 18 months afterwards Four survived a years and in a cases the results were unknown LOUIS L TENTROPCE.

Essendrath, D \ The Clinical Aspects of Renal Infection I ter 1 M J to 4 to 764
By Surg Gynec & Obst

The writer says that in many cases of renal in ection the local signs are completely or flooked hexause of the general symptoms of septic in toxication Many cases are masked by the pseudo malarial chills and fever or a typhoid like course of temperature and te derness and other symptoms of renal infection are so industract that the kidney

is not considered as the source of the phacure fever The most rebable elimical evidences are obtained by the use of the cystoscope the preteral catheter nd the \ ray Tenderness over the kidney may be alicited either by lumanual palpation or by palpa tion at the costnerrebral angle. Pel ic lavage is of more assistance in the chronic ase than in acuta

infection of the renal pel us

Injection of the kidney may take place by one or more of four routes or by a combination of se ral The first the harmatogenous or blood oute second, the urogenous along the interior of the ureter where the micro-organisms migrate up in the stagnant column of unne into the pelvis f the Lidney third the lymphogenous route t e f om the lymphetics of the bladder to those of the ureter and up alo g the latter to the pelvis and into the lymphaties of the kidney and fourth by way of the connection of the hamphatics of the colon with those of the wrete

Many cases of renal infect on are dependent anon

the p escace of a calculus blocking the useter re formation of re al calcult is not infrequent and must be considered in gi ing the prognosis of any case in which a t e h s bc o remo ed Calculare pt to re form as lo g as n inl ction is present since such kidneys are oft the seat of a chr me colo bac llus infect

If the opposite k dn , can functionate fo both primary nephrectomy a to be pref rred to a co servati e method in ad need cases of renal in fection but conser tism should be the rule n all case xrept those of the hyperacute type in these nephrictomy should be perio med as e ris as methods sho ld first be tried

Percock, A. II t A Study of Twenty Cases of Renal Tuberculosis Verificent Med 10 4 1 20 By Surg Ganec. & Obst

The possibilities of the present-day exactness in the diagnosis of Lidney tuberculosis is touched upon hy Peacock brief histance of twenty cases being shown part of which were proven operative and part non-operative He considers that the cases practically always come late to the genito unnary surgeon because of the primarily misunderstood cystitis treatment by the practitioner The claim is made that renal subcreulous is always secondary to a focus elsewhere in the body and that attention should be directed to the primary focus as well as the secondary Lidney focus in the diagnosis and treatment of the case

liter tudying these twenty cases Peacock is impressed with the following findings

The tuberele bacillus was found in the urine in to out of the an cases

Rematura which usually occurred early anpeared in 60 per cent

The sexes are about equal | males and o females The a crage age was 26 the soungest case being

14 years of age the oldest 42 In 6 pet cent of the cases the primary lesion was found outside the Lidneys in the examination.

In 60 pet cent n bilateral infection was proven In these bilateral cases he considers that the presence of one competent Lidney should be assured before nephrectomy is done because of the great danger of the remaining Lidney's destruction later

Deadersch, W II The Tests of Renal Function J t & M Sec 9 4 tt 47
By Surg Gynec, & Obst.

C E. BARNETT

The author gress a w B-ordered review historical and technical of all the commonly recognized excretory and retention tests of renal functional activity Ilia conclusions are as follows

I The phenoisulphonephthalem test is simpler than other functional tests and the drug is non untaking and gop toxic

2 The total amount of work of both kidneys is accurately shown by delay and diminution of estretion,

3 The relative effic ency of each ladney is deter mined by analysis of the segregated urines

4 The test is of great importance in cardiorenal discase by indicating the organ most at fault

5 Valuable prognostic data may he gathered by the application of this test 6. Thiolute reliance should not be placed upon

any functional renal test results hould be cor related with chinical findings. If W PLAGGAMEYER.

Status of P; lography J in M A 10 4 box, 5 5 By Surg Gyace. & Obst. In order to avoid untoward results of collargol

injection the anthors recomme d that the greatest

care be used regarting asepsus. The meteral catheter should not exceed to. 6 in size should be smooth of surface phable and not suletted. The catheter is inserted so cm and its further progress made slowly until the sightest buckling occurs wh n it is withdrawn z to 2 cm and the unnary outflow examined to determine if nossible the presence or absence of privic dilatation

The catheter is then withdrawn so em and the injection made If the unne is blood-stained the injection is deferred for seven days. When an obstruction is encountered along the ur ter forcible attempts to overcome it are not made a smaller catheter is used and if its pussage is likewise im pedid collargol is injected and in the majority of

cases will find its way upward

The authors are opposed to simultaneous in jection of both Lidneya The collargol is freshly prepared fur each case and vanes from 5 to an per cent depending upon the thickness of the abdominal walls. In making the t section they use a stopcock. To start the flow the burette is leasted three f et but is immediately low ed and the fluid allowed to flow in st an elevation of not more than one foot with a No 6 and two feet with a No g catheter The parection is discontinued when the column of collargel ceases to fall or the nationt expenences the slightest sensation of fullness in the Lidney region liter the pictura is taken the col larged is drained off and the cath ter r moved When retention from angulation of the ur t due to ptosis ta inspected the patient is require I to remun in bed to he hours after the injection This facilitates free drainage of any ollargol that may remain to the pelvis of the kidnis

Py lography sh uld be imployed o ly after the usual method have failed. The authors are opposed to its use in depicting t t resting anomalies

and to its indigen nat use in all types of renal

nathology The py lograph is useful in detects g the earner stages of hydronephrons due in mechanical block lograph is useful in detects g the earlier ing of the ureter other than that caused by a stn e also in horseshoe and d) stopic Lidney and i render ing a calculus authorantly opaque to cast a per centible shadow when it was not detected by the simple rontgenoscopy alone MARRET A KEA B

Ferguson S. W Py Utis in Injancy Wd I 4 6 spec & Obst tral rg 4 l ins ByS

The author's report which is based on a series of 45 cases, all of which occurre? I fem less is at variance with some of the rece I are ries in which large numbers of cases occurring in boys have been reported.

In regard to the mode of fect n the the believes the evidence points t an asc nding in fection from the urethra. The facture peaking for this are its frequency in the female its nital ppearance during the naplan period and the fact that in a large percentage of the cases the symptom

of p) elitis are preceded by definite intestinal dis-turbances and frequent motions

The author was able to obtain the usual history of intestinal disturbance in his senes of cases. One of the important points brought out in this paper is the statement that no examination of s febrile ebild is complete when no rause for the me in temperature is found without a microscopic examination of the urine Attention is also called to the fact that there are seldom any symptoms outing to an incolvement of the unnary tract He believes that in some of the cases the incidence of the town falls on the nervous system, and he further states that head retraction and hemirs

sign may sometimes be present.

In the treatme t of these cases the author is in favor of the alkaline treatment relying generally on either sodium or potassium citrete When he administers urotropine be gives it in association with the acid phosphate of sodium or ammonia bensoate and diluted with large quantities of water The author does not enter into a driasted discussion of vaccine treatment as he believes vaccines are tarely necessary but may be of value in a case is which the condition has been unrecognized for a long time or in prol aged cases to supplement the all aline treatment. The histories of the two latal cases in his senes are given

HERMAN L. KREISCHHER

P nunck W J Chronic P. litta. *\ \text{latherst Med.} \text{
By Surg. Gyner. & Obst.}

The usual signs and symptoms for disgnosing non tubercular pychtis are discussed Pennock con tuders t be following fundings essential for a diagnosis An approximately normal amo nt of unne should be secured from wher kidney with a normal specific gra sty from each with a normal urea excretion bihal in should sprear at the normal time followed by a normal quantitive exerction in a given time a d the urioc from one or both kidneys should con

I is taxage with a strong solution of silver natrete is ad oc ted in the treatment. One case of gonorrheral py little was ented in which a ten per cent collargel py lography proved audicient to C E BARNETT eradicate the infection

Woolsey G Some Problem in th Surgery of the Aldney Am J Surg By Surg G ec & Obst

I a general aur ey of the entire fi ld of Lidney aurgery Woolsey arn a 1 several learly stated conclusions. The kid ey is injured ubpanetally more frequently than any other orga h t the cortical facemt on dots of cause many entra This and accompanies rupture of the ROLLESS I to or calices

Pet 14 or cauces

He treats cases pect th escept those prese t

ing se rechnical pict re oc those in which there

e ist indection of the lote thanky tract

As rule bullet wounds require peretion inas

much as the peninneal cavity is usually invaded.

Any other treatment than surgeol is a failure in unberculous as in the kidney. The nuthor believe that theretulin is n waste of time and that claustic treatment gives an Louronous mortisity. If equotes Wildholz who reported 116 cases treated non surgically in Sariterland. Only ten per cent liked over five years and the per cent had no symptima for the years and only me case was well in every over five years and only me case was well no every

But few if any perimens of healed tuberculous kidney are found while they should be not uncom mon if spontaneous recovery is common

He does not believe that partisl nephrectomy is

The X rey while now an indispensible adjunct in diagnosis often fails in reves! stones. In one case a bladder stone one and one half inches an diameter was determined by cystoscopy where the X rey failed utterly in shown shadon.

Differentiation between appendiceal and renal conditions will depend largely on elancial symptoms. There is a lendency toward neglecting this phase of study. Every disgnostic negacy such as the X-ray and urnary studies should be resorted to before the operative procedure is determined upon

lie hes used the transverse incision of the kidney for the removal of stone believing that a damages less kidney a sue than the longitudinal

FRED R CHARLTON

Zondek, II Experiments an th Decapsulation of the Midney in Rabints with Bichloride Nephriti (k periment lles Dekspulation de Nere bei sublimat rgifteten k nanche) Zi &

p Med q ui By Zentralbi i d ges Chur w Grenngeb Harrison recommended nephrotomy for the de crease of intrarenal pressure and its sequ læ but Edebohls substituted for it the less dangerous decapsulation This operation has been used not only in scarl t fever nephritis and puerpe al eclampsta but in acute forms f nephritis and in angroneurotic hamorrhage of the kidneys A con sidereble number f authors ha e had excellent result from it Zondek used the method ex permentally in kidneys co gested by t raion o pressure on the pedicle and found that decapsula-tion of the acut by swollen kidney caused a decrease in the introrenal p essure The discharge of drops of blood and serous fluid observed an decap ulation he called bleeding the cin ad lymphatics Then he undertook n tudy of the flect of decansula tion on Lidneys not srtificially swollen Bichlo-ride seemed to him the best sgent for producing th Lidney lessons as the sw llen condition of the kidney produced by bichlorid poisons g is ery similar to that produced by the toxins. I various bacteris - cholera hacillus colon bacillus t hercle bacillus pneumococcus and d phthena bacillus The highest dose was cg the lowest n mg of hichloride

As experimental and control animals he used rabbuts with an average weight of the life found on exturpation the Lidney's during life that the decap sulated kidnes weighed n 7 to 4 6 gms. more than the non decansulated one. The differences in weight are about proportional to the amount of highloride in sected and the time of its action before the extirna tion of the Lidneys Though the non-decapsulated Lidney contained more blood than normal its blood content was small as compared with that of the de capsulsted kidney The differences in weight disappeared in animals that died spontaneously when the motor that drives the blood 10to the Lidney was excluded Microscopic examination showed that increase in the size of the parenchy mn cells was not responsible for the increase in weight. Thera pentically decapsulation of the Lidney not only de creases intrarenal pressure but also gives the heat opportunity for a more complete irrigation of the kidney with blood and for abundant diuresis

SAMMES

Guerry L. Injury of the Venn Cn a during Veph rectomy JSC W 1 94 576 By Surg Gyncc & Obst

In the remost of three large pomorphrotic tu more one of which contained a large calculus Guerry accidentally included a portion of the vena case when the stump was champed meases and severed Clampa were applied to the breach in the case which canturily convioled the kemorrhage They were loosened the several day and removed on the girth day. All three cases recovered and on the girth day. All three cases recovered and case present in indicate by orderns that a block had occurred in the ease Case.

In re-rewing the history the nuthor found so casts in which 7 were controlled by the clamp method while the others had eithe higatures or sutures spoked

A case from Peltesohn describes the sulure of the ena can a following the remo al of a kidney ennier. The patient reco ered, free from acute symptoms showing perfect permeability of the cana.

As niterest ig case is reported from Delanuay in which the ena ca is was entirely secreted during the remot fof it tubercular ladiny. Ligatures were placed around both nhow and helow the case Udema while present was not marked. Collateral curvalation corruped through the remo mammary circulations corruped through the remo mammary circulations. The removal tubercular control of the control of the united control of the united control of the united control of the united on the control of the united of the united on the control of the united of the unite

Butler F A. A Case of Primary Carcinoma of th Ureter with Sciatica. Cl fis M B II 0 4 U 48 By Surg Gynec & Ob t

The patient a bookkeeper aged 53 was admitted to the sanstanum October 14 1913 complaint of scatters. His father died t 78 of cancer of the stomach. The patient had always had good health

antil 19 months before when his present illness began with an attack of hamatura lasting one week Twelve months later he had a second similar attack. There was no pain passage of gravel ne other at mptoms suggesting renal colic months later the nationt had incontinence of urine for relief of which an intra urethr I operation was performed in toni rots line was followed by paroful propation and a swelling of the right testicle it this time he was told there was sugar in his urine and a diabetic det was prescribed

The present back our shad been troubling him for five months. There was a marked tenderness o er the right sacto that ensculation and constant pern in the region of the right scratte notch rad atting tuto the right grown and down the outer a nect of the thigh wh re it was most severe and constant

I here was no he tory of trauma The page had had a grainal oper and had become continually more severe recumps on an average t o grains of morphia daily. He was pule and marist d and in sincteen months h. I leer used in weight from t 6 lbs to tay lbs 11 kin was lay and flaccid his tongue precoted a thick dark bro h coat his breath was foul and his throat some what reddened the just liars reaction wa normal. The tempe ature van dl mgr tnung palet to to too resparation o to rt

There was no glandular enlargem of and the h art and lungs w to normal the m mal palpatten retealed a term mouth rounded non t nder tramus lile mass about three unches in diameter

just to the right of the umbilious The right testicle was ammetrically enlarged to three or four times the normal size. Restal exam

inali n was negali v The urme couts ned a few hyaline casts and a slight tr e of alliques. There was no e idence of intestinal obstruction. The stools showed n blood Blood pressure was normal Harmoglobus 3 white count 11,000 red wunt 4 544 000 diff rentral normal \ ray examination of the sacro disc region was negative an oldo-copy was negat (yatos cop) rev aled no abnormality of the Hadder but on preser eathetenization the right user r was found to be obstructed 6 m from the ontice Wash ings obtained by the injection of horsese seed solu tion were stained for tubercle bacille with negative Von Perguet test was negative. The phenobulphosephthalem test resulted in the appearance of the die from the left west a in eight minutes but none from the right - t per ent was recovered the first hour and as per c ot in two hours I proluminary diagnosis of sarcoma of the right ileum was made The hematura and right wreter betruc tion were explained as being due to infiltration of the

I preliminary operation was performed November and a tumor palpated just posterior to and below the right Lidney seeming to apread o er the anterior surface of the sacrum and theum It was quite ex tensie and firm but not of booy consistence

wreter from without

A specimen was excised for examination. The pathologist reported it to he carrinomatous. The result of the operation and pathological

findings, added to the previous findings led to a charmous of primary carcinoms of the right unter The patient made a good recovery the abdominal lucision bealing ray dis Lain was markedly de creased, requiring only one quarter gram of morp daily On December 12th the right testicle was

removed its involvement being regarded as mets static. The tumor was found to contato only normal to sur The patient declined rapidly and ded December 20th.

butops) res aicd an extensive mass of carenomatous tusue obliterat ng the central half of the right urrier tofiltrating the peops and that muscles the posterior periton um the nerves of the lamber pleans and the perirenal tissue. The right ladney w a strophic sod not in old d. The left killney was burnal There were no metastases in any of the rgans The proplestic tosue extended by continu-My down the right preser within 6 cm of the bladuer ordice. This truste was separated by a stop of normal water 4 cm in length, from a mast of carcinomatous ties which had purely infiltrated th lowest sem of the urrice and was in aguated

to the extent of a mm into the bladder The scare ty of bierautre o the ubject is noted The seven cases collected by Metrall and Safford are said to be the nil cases in literature to date.
In the report of si cases of primary carcinoms

of the preter by Rundle Albarran Lvelster Herktaen Wasses and Bha Robitanski and Ifalle the symptoms and findings were essentially similar to those a this case namely h matura dissociated from pyura, pain largely sacral, presence of tumor and materal pobleution. IL G. HAREL

BLADDER, URBTHRA, AND PENIS

Pile, J. B., Perforation of the Bladder from Chronic Ulceration with Secondary Appendi-Itle. Fraciu parr Lond 19 4 un 92

By Surg Grace & Obs The outhor reports o rare case of perforation of

the bladder complicated with appendicuts. The patient a deal mute 73 years old, was admitted to the hospital on account of abdominal pain and a

lomp in the right that fosts.

In operation for appendicit was made on the day of admission. On incision of the pentoneum dense adhesions were found around the carcum and while these were being separated a small stream of clear find which proved subsequently t be urne assured from the wound. The appendix was found to be very large and in a mass of adhesions the stump was b ried and a large drainage tube t

The pat e t heed nine days aft r the operat on during which time he passed no water naturally e their natural sound indicate.

The post mortem findings were Bladder deep

in the pelvis, thirkened and contracted small star shaped calculus in the bladder which had caused ulcration through the microus and muscular costs of the hladder its pentoneal covering being distended into a long pentoneal cyst which had reptured when the attempt was made to separate the adhesions.

GENITAL ORGANS

Corner E. M: Further Experiences of the Treat ment of Imperfectly Descended Testicles Am J M Sc 1914 cal 51

Dy Surg Gyace & Obst.

Comer refers to his paper published in the British Medical Journal in June 1904 in which he discussed the advisability and value of the operations per formed for refer of undescended testicle and in this paper makes a summary of his experiences since then.

First he advises that there need be no particular burry to perform this operation eacept under certain conditions, viz (r) the recognition of a heroin accompanying the imperfect descent or (i) the recognition that the imperfect descent is not

mere belatedness

He emphasizes the fact that in separating the sac from the cord in cases of hernis accompanying undescended testicle great care must be taken not to injure the blood vessels on account of the subscount darker to the nut tion of the testicle

He claims that it is not as a general rule imperativa to operate before the age of seven years. He says the operation may be done in one of three ways

1 The accompanying hermal sac may be davided and stripped of the cord allowing the testicle to descend into the scrotum buy but the mildest scrotal firation is merely a prelude to failure anatomical or physiological Such an operation is called an orchidoplasty or an orchidopex)

2 The gland may be removed as advantated by many This line of treatment is especially indicated when the imperfect desce t is unilateral. It is satisfactory in its alic results. The operation is

an orchidectomy

3 Especially when the condition is bilateral, the gland may be returned in the abdomen otrapen toneally by internal secretion which the gland may ha e which will ad the patient to develop sexual ch racter such as har on the face male voice male body nergy of mind and body is retained. Such an peraiton is an archidoctuplasty in suitable cases the suitors seems to fayor the

In suitable cases the suther seems to layor the returning of the test le to the abdomen and gives the following principles favoring this procedure

r It has been u ged on theoretical grounds that the returned te t cles re prone in become malignant. The is not so a It has been urged that in the intra-abdominal position such common diseases as gonorrhead orchitis endanger life. This is not so.

7. Apparently the intra abdominal position abol.

sibes any external secretion but preserves and encourages the internal secretion an unportant point as it is in the internal secretion above that practically the whole value of the imperfectly descreaded testice lies

The author tabulates his results as follows Orehidopexy about in per cent orchidocelioplasty about in per cent orchidoplasty an per cent

life draws the conclusion that orchidopexy fails more frequently from atrophy of the glands than by not retaining that gland in good position

At both and up in the age of about five years the case should he watrhed to decide whether the testicle is merely late in its descent or not If a herma is seen to be present an operation should

be performed followed by an orchidoplasty From seven to twenty years of age an operation should be done whether a herma is present or not an archidoplasty an orchidoctomy or an orchido-

crisoplasty should be done
Abo etwenty years of age an orchidectomy should be done
A C Stokes.

Lydstan G F Tran plantation of a Testirla from the Dead to the Living Body \ Y M J 014 67 By Surg Gynec. & Obst.

Ly daton hay a down the proposition that vancous slan disease notably penansus are a promising field for the therapeutic administration of the ser gland hormone by way of implantation. He continues the discussion on the proposition that these diseases are primarily an aberration of quality that unplantation may be benefited by implantation of sex plands.

He states that a paper will shortly appear in the New York Medical Journal in which he will suggest that arterioceleous chrome renal disease diabetes tuberculous and e en carcinoma may be aided by

this kind of a transplantation

He ottra a case in which he transplanted an entire testide into the scrottum of a man who had large patches of promass on his hack and arm. This testide was obtained from a dead man thirty hours after death and transplanted ten hours afterward. The lessons on the arm and back disappeared at the end of eight days.

The author wishes to submit without comment this hiref prel minary report of the result of the primary or initial dose of sex hormone and promises a more complete discussion in the future

A. C. STORES

SURGERY OF THE EYE AND EAR

EYE

Fowter 11 W Ophthalmia Neonatorum Ter If 1cu 914, xxxx, 737 By Surg Grace & Olat.

The author refers only to ophthalmia accessforum of Gram negative genococe: The disease break out three to five days after brith if it hreaks out after that time it is probably due to extra genital influences.

He urges that care be used in opening the child a eyes for examination as the pus under pressure may spurt tato the physician a eyes with dire results. The most leared combination is ulcer of the corner

with subsequent perforation and its severe effects on the eje frequently result is hindness Statustics show that the instillation of a per cent

silver mirrate in the eye at birth positively cuts this

disease to the minimum

The nuther objects to the use of borace and because of its ernitating sade properties unstead he uses a one per cent biborate of sods solution. His nutilis to per ent argy role every 1s munitum for 36 to 48 hours. He condemns the rough handling of the lids as having a tendeusy to start fast decre lie also opposes the use of hot and cold applications he timbs they do no good and may do harm

S S QUITE

Holloway T B: Peripheral Pigm neation of the Cornes Associated with Symptoms Simulating Multiple Sciercals. Am J M S q 4 t m 235 Hy Surg Ginec & Obst

The author reports a case of peripheral p gmenta tion of each cornea the ymptoms of the patient warranting a diagnosis of multiple sclerosis. He

cites other cases by Layser 1903 Heisher 1909 Volsch 1911

Holloway hed his pat ent thomughly sammed for a probable cause of the pigmentation in conjunction with his symptom. His conjectures curbous of the liver and a tremer affecting the extremities and bead — may be an incest e to the investigator to look for a perspheral pigmentation of the corner.

L. J. Goissacs

flarkness, C. A. Con erg at Squint and Its Treatment Cit ique Checago, 4 4 xxx 44 By burg Gynec & Obst.

Convergent squipt usually appears as childhood to causes are weakening of the external rectus due to debilitating disease accirrent att ehinest f muscles peripheral paralys central lessons and ambivopus

Treatment is divided rate two classes—operative and non operative. Of the operative either simple

teactomy of the internal rectus or tractomy sith advancement of the external rectus is to be preferred. Of the non-operative methods e rly and correct placing of glasses usually cures. The use of pustus and exercising of muscles alons is to be condemned.

In conclusion Harkness emphasizes the importance of crudicaling the false impression that children all outgross equant w thout proper treatment Early wearing of correctly fitted glasses will not only correct but will save vision surgical means should be used as a last recort S. S. Derrys.

Monher Il P Th Orbital Approach to the Ca e nous Sinus. Lary gareife 9 4, 22 on By Surg Ginec & Obst

With this plan of operation, the globe of the eve is removed and the orbit cleaned out The orbital mic artery is then tied off the penosteum cleaned from the postrnor half of the floor of the orbit and the groove recognized in which the superior manifery perve runs The next step is to separate the peno teum of the orbital surface of the great wing of the sphenoid and recognize the outer end I the sp dal fusure With the chisel placed vertically a cut is made through the orbital plate of the great wing of the sphenoid from the notch of the superior mazillary nerve to the outer end of the spheroidal fisure above. The bone here is thin and assly removed. With the rongour of the hisel an enlarge ment is made outward one and one half e numeters and a window is made flush with the floor of the or (Important) The dura is then elevated from the floor of the middle losss, working from the outer

boundary of the bone wandow 1 ward.

On the casks er the dura can be separated from the outer w. Il of the ra errous amus for a distance beckwards of about a e cancer . The separate separate beckwards of about a e to the expension and the separate separat

The blade is carried forward in the hody of the spheno d unit it is stopped by home. This opens the wall of the sinus fur one centimeter and the opening is well helow the internal carroid. A small curretic could then be carried back through the whole body of the sinus the distance heing about three to four and one fourth melts from the rms of the mids. S S OCHITIME

EAR

Coates, G M Bacterins in the Treatment of D seases of the Eur Lary g scape 1914 xm 677 By Surg Gynec & Obst.

Since first brought out by Wright bacterin thers by hos been used in attempts to cure diseases of the ear just as it has been tried for every other ailment of infectious origin. A résumé of the work done in this direction during the past four years as shown hy reports of Levy Graef and Wynkoop Dwyer Still MacDonald If welle Christi Sherman West McKernon and Kolmer and Weston and cates a fair amount of sucress in the use of bacterins in suppurative middle car disease furunculous and chromic eezema of the esternal canal The most important works quoted however were those of vagle, of Boston papers read before the American Lary neological Rhinological and Otologiest Society in 1910 and the hinth International Otological Congress n 1912 In these twn papers sixty five cases of chronic suppurate a otitis media were reported with practically but one failure

This subborg with in one appende as follows. This subborg with in one appende choice, and again in the control of the control

convalesced

In chronic middle support in five cases we retracted with any genous ce nee with three apparently cured and two improved. An att mpt was made to ascertate the 'Jue' f maded commercial bacterin met the condit as wer made a hard as possible in order to see what could be cocomplished by the physician who was with utilization of the condition of th

The Social Service Department for the Hospital insured regular attendance for triating and and for venfication of results. There were no services may bleations observed and but lattle local or general reactions as rule. Treatments were go en at from twn to four day intervolves the dossage was usually doubled at the sectional and third at 15 % 13.

three cases were treated and af these 56 were apparently cured 1 a the ears became dry and remained so up to tha time af the roport varying periods up to air months Two cases were umproved only and five were unsatisfactory. In this series of chronic and had resisted all other methods of treat ment short of the radical operation. It was in the latter class thet the 5 fadures were recorded.

The author concludes that while there is jet much work to he done in this line bacterin therapy in discuses of the ear is a distinct addition in the arma mentarium of the otologist for combating these discusses.

Lutz, S. II How the Patienc Can fielp Himself in Cases of Chronic Catarrhal Orlis Media inn Old Rh nol & La ; gol 1914 xxm 377 By burg Gjacc. & Obst.

In the study and tre tment of cases of chronic catarrhal nitis media it is necessary to bear in mind the importance of a consideration in detail off the general condition of the patient, as well as the local condition of the nose and nasophary nx.

It is of paramount importance to instruct these patients how to clear the nasopheryns and blow the nose without causing a rarefaction of pressure of the air in the nasopharyns and this cause a disturbance of the air pressure on the membrana tympans

ELLES J PATTERSON

Wilson W Two Unusual Cases of Mastolditis in Children Bu M J 9, 4, u 298 By Surg Cymre & Obst.

The case is reported of a child twn years of age who had a sudden at the of mastion pain with slight codema above and behind the aurocle normal membrana tynpan but with no marked constitutional symptoms at perston three days after the naget a subpensited aboves as was found commanicating with the anirous through a fatula in the natir anirous side in superiord an arcella of the natir arcella of the superiord and arcella of the native arcella of the substitution of the substitution of the substitution of the substitution of the native arcella of

Another child e ght years of ago recovering from persuas developed slight unilateril massioid adema there was then wast ry pus in the external means with no pe forstoon in the membrana tyrn wastern with no pe forstoon in the membrana tyrn wastern wastern to be the support of the support of

Recovery was r pid to pus in the antrum or perfuration in the m reh and timpanie er de loped

The author a theory is that the whole tract from the membrane to the durs was a multane

SURGERY OF THE EYE AND EAR

EYE

Fowler W W 1 Ophthalmin Neonatorum Tx M Acus 1914 xxm 737 By Surg Gynca & Obst.

The author refers only to ophthalma meanatorum of Gram negative gonococci. The disease breaks out three to five days after birth all it hreaks out after that time it is probably due to extragential

softuences.

He urges that care be used in opening the child a cyes for examination as the pue under pressure may spurt into the physician a cyes with dire resulte

The most feared complicating is ulcer of the cornea with subsequent perforation and its severe effects on the eye frequently result in blindness

Statistics show that the instillation of a per cent

disease to the mioumum

Volsch 1915

the cornea

The subfor objects to the use of borace and because of its unitating each properties instead he uses a one per cent biborate of sods solution. He mustle to per cent strypt of every 15 moutes for 36 to 48 hours. He condents the rough banding of a 48 hours. He condents the rough banding of the 48 hours. It is condents the rough banding of the 48 hours. He condents the rough banding of the 48 hours. He condents the the 48 hours are the second to the condents the second to the 48 hours. He was not condents the second to the 48 hours. He was not contained to the 48 hours. He was not condents the 48 hours. He was not

Holloway T B Peripheral Pigrateotation of the Cornea Associated with Symptoms Simulating Multiple Science: Ass J M S 9 4 cri st 25 By Sing Gyne & Olyst

The author reporte a case of pempheral pigments tion of each cornea the ymptoms of the patie t warranting a diagnosis of multiple sclerous. He cites other cases by hanser one Tes her 1900

ficilionay had his patient thoroughly examined for a probable easie of the pigmentatio 1 coojunction with his eymptoms 11s conjectures—cirrhose of the liv r and a tremor affecting the extremit and head—may be an incentic e to the investigator to look for a peripheral pigmentation of

Harkness, C. A Con erg at Squint, and its Treatm at Cl q Checgo, g 4 23 44 By Surg Gyace & Obst.

Convergent squint usually appears in childhood. The causes are weaken; gof the external rectus due to dehibitati g disease a nonrect tiachment of muscles perspheral paralysis central lesions and amblyona.

Treatment is divided not to classes—operate and non-operative Of the operate eth sample

tenotomy of the internal rectus or tenotomy with advancement of the external rectus is to be per ferred. Of the non-operative methods early and correct placing of glasses usually cure: The use of prisms and exercising of muscles alone is to be condemned.

In conclusion Harkness emphasize the importance of eradicating the false impression that children will outgrow equant without proper treatment. Early wearing of correctly fitted glasses will not only correct but will save vision borgleal means should be used as a last resort S. S. Outrius.

Monher H P 1 The Orbital Approach to the Ca ernous Sinu Lary purple 10 4 xm 709 By Surg Gynec & Obst

With this plan of operation the globe of the eye is removed and the orbit cleaned out. The ophthal mie artery is then tied off, the perioderum leaned from the posterior half of the floor of the orbit and the groove recognized to which the superior manifery nerve runs The next etep is to separate the penosteum of the orbital surface of the great wing of the sphenoul and recognize the outer end of the sphenou dal fissure With the chisel placed vertically a cut is made through the orbital place of the great wing of the ephenoid from the notch of the superior maxillary nerve in the outer end of the sphenoid fissure above The bone here is this ead easily removed With the conceur or the rhisel an e large ment is made outward one and one half centimeters, and a wasdow is m de flush with the floor of the or (Important) The dura is then elevated from the floor of the middle fossa, working from the outer boundary of the bone-window ioward

On the cada r the dura can be separated from the outer wall of the east-rous sums for a dastance backs arde of about a re timeter—then separation becomes hard. If the elevation is persisted in pan head opening e torin in the outer wall of the same at the le of the hottom of the hone waste. Alone and beyond the proposed dura the toring the same at the le of the hottom the hone waste. Alone and beyond the proposed dura the came the separated f r about a continuer further when the ophthalime of was f the fifth nerve from the separation of the separa

L I GOLDBACH

had been unconscious for several by vomiting headache and comes

Upon admission the parent was a restless. There was a forl the left ear the posterior cand will are There was no nystagunus, and a series outpuls were equal and eye promise were temperature was 974 pulse 62 complained of cerebration Fis acr 5 ouncture was made and the bood come to

to brain abscess could be loca ed . so a radical masterd was done. For -7 -temperature was tos pube tro the TE of the left external rectus muscle proces and upper hd heginning optic resevere headache and at times more

The dura was exposed over the server and two ounces of thick foul pus was a brain Linfe The recovery was me

A study of a radiograph taken car operation with gause in the absens car-1 compared with the first radiograph, because with experience in interpreting services and graphs of the mastered brain about at 1 12-Furs | lange

Variations of S.benaud S. Otel Rh sol & Long McBean G M Disease, 1 By Sury, Cran . se XXIII 4 9

The points taken into consideration by in studying the atypical forms of second disease are the relations of the sinus (1, 5 and meninger (2) to the hypophysis and meninger (2) to the hypophysis the cavernous annus and nternal care. to the cran al nerves (3) to the other and (6) to the nasopharynx

These atructures become implicated in IDE WAYS

I By e tension of the infection

2 By exposure by necross of its boy to chronic suppuration 3 By invasion of the signs from

Cavity - as by p tustary tumors 4 Irritation or paralysis of the open

oculi or trigeminus ners s or the careed s Association with the ethmond min chrome infection polyp atrophic than a

These cond tions re ill strated by reports from a study of wh ch the suther follow us conclusio

I Sphenoidal disease is much more cozare was forme ly helie ed possible 2 With more careful postnasal exa

specially with the asophary ngoscope by With the routine use of the profe

catheter more case will be recognized theter more case ... as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the sphinoid is as a rule the rate of the r nasal sinuses to c theterize

SURGERY OF THE NOSE, THROAT, AND MOUTH

KOSE

ingals, E. F : Nasopharyngeal Myosarcoma; Several Operations and Final Spontaneous Recovery A s. Otel Rk of & Lary gol , 9 a, xxm 373 By Surg Gynec & Obst.

The anthor reports the case of a boy thurseen years of age with a growth filling the pasopharynx and right name, so that the sentum was crowded over obstructing the left nostril The trouble was of three months duration. By repeated operation the growth was removed and the pathological report was small-celled myxosarcoms. The growth was removed at various times by different methods dur ing a period of several years

Fourteen years later the tumor increased in size until the right check became very prominent, the vision was destroyed in the right eye and both mares were occluded. After two years the tumor began to strophy spontaneously until the nares became free, although the prompaneous of the check and also

the blindness of the right eye continued

ERREY] PATTLESO

Lethrop, O A The Use of a Section of the Scapula in Correction of a Nasal Deformity Sed a 11 65 J 9 4 clos 303

By Surg Grace & Obst

The author describes this method of correcting with a strip of bone front the acapula depressions of the mass) bridge with destruction of the support

ing cartilage when the tip of the nose is depressed The technique of operation is as follows Under ether anasthesis the autorucous resection is done in the usual way in order to remove all obstruction to breathing. The patient is then turned on his left chest and through a three and one half such in cision made over the vert bral border of the left scapuls - cutting the muscles and he ng careful not to denude the bone of its perimteal covering a surp of bone twn unches long and about one fourth inch nide is removed from the free border with bone-cutting forceps and wrapped in wet sterile gauze. Through an incision in the sinde surface of the tip of the nose a subdermal passage is made in the nose-bridge extending to the distal extremity of the pasal bones where the periosteum is cut and clevated and the nasal bones ground down with a rasp. The graft is inserted under the periosi um until the end reaches the frontal bone and slight pressure is applied over the graft at its frontal end,

in order to hold it pressed against the nasal bones and stretch the contracting soft tissues of the tip CILLY J PATTERSON

THROAT

Mitschier W A.: Not the Faucial but th Lingual Tonati P. II J 1914 Rts 866 By Surg Cynec & Obst.

Ducase of the lingual tonal is characterised by constant clearing of the throat and a persistent dry backing cough, which is increased by physical ex hanstion overose of the voice or dorsal decubitus. and should be differentiated from other diseases of the respuratory tract ELLEN J PATTERSON

Lynch, R. C. New Technique for the Removal of Intrinsic Growths of the Larynz. Laryng scope
A 2278 644 By Surg Gynec. & Obst.

The author has modified the Killian suspension laryngoscope and devised instruments by means of which he can dissect accurately heate bleeding points cover raw surfaces by sutures and do plants: work in the laryng with case and accuracy

For prolonged procedures and so children he per fers general angesthesis and for local anasthesis be uses cocaine so a o per cent solution dropped direct ly into the laryng and traches. We the parts per fectly quiet he proceeds to dissect out the growth with angular Loives removing it to one mass with out disturbing the integrity of the cartilizations box thus avoiding the danger of secondary stenous and lessening the chance of recurrence to makenant cases

He reports several cases of papelloma and one epithehoma removed by this method to which no recurrence has occurred as yet the your being restored immediately afte the operation

ELLEM J PATTERSO

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Davis E. D. The Importance of a very Thoro gh Learnington in Cases of Foreign Body Alleged to He a Been Swallened or Inhaled. Land Lond 19 4 class 493 By Sary Conce. & Ohst

The author cites eight cases in show the serious results such as bronchectasis, pneumonis and death, which may result from delay or f ilure to recognize the impaction of a foreign body in the air r food passages To a old these seri it results, a thorough and adeq at examination should be made with the and of th \(\lambda\) ray and suspension apparatus OTTO M ROTT

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Rungworm of the scalp and beard D FREEDWALKE,

Practitioner Load 19 4 zeru, 35
A case of angiomatoid lephantiases of the upper lip A T PONOMARETT Chir Arch Veliaminos 9 4 XXX

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Incarcer tion of a loop herms of the appendix A

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Inguinal herma after operation for ppendicuts
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Radical cure of inguinal herma L 1 R Aces I R Acer \

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Blocular tomach radio-copic findings and comparat e

results of different methods of treatme t Lineble Thèse de doct Toulouse, 9 3

A case I bilocular tomach C GOVETLEE R de Se lla 9 4 lan, 136

Climical and radiological tudy of he relass stomach A Reizs, stress and F Frank A ch I V rda ungs-The ext of quart

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The 50 ng women pregnancy labor and the puer persum W HERE. Laping 9 4 Physiology of pregnancy labor, nd the peurpersum, G H Van Waarsesten Nederl, Manndachr voor

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Servalwas 19 4 67

B as unjuries in birth paralysis Perresons MIII

Cone d deutsche Orthop Ges Berlin, 914 Technique of radiography i the fectus in the uterus. P Prau at Radiol med 9 4 t 203 Determination of the age of human embryos. If Tare-

ur. Anat Ana g 4, 21 355 Icterus neonat rum W Scinitive PEL Anat Ans Q 4, xl Dissertation Geesten, 914
Gonorshural phthalada neonatorum ta prophylaxis
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The coxalging line from the obstetrical point of view
Acting Thèse de doct Alger 10 3. [637]
Rachitic pel 18. Konossory Lestech I Prof Pobe-LAGINIO

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GENITO URINARY SURGERY

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Ilypern phronia th special ref re on t the clinical
classification of this had of tumor F KAUTF Disserts.

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Pronephroses th calcul formatio SAS (459) Monatschr I Geburtah (19th) q 4 xxxx, 84
Th management of nephrol thusan !! IL Gan
[Journile Month. J 9 4 xxy 75 16391 Tre time tol repair alculu Mantov Paramel 6 4

The post-operat treatment of unnary lithuists. C B SCHILDLERE T Am 14 Obst. & Gynec., Bullion

Transatic hydronephronic Atsessers Monatiche L

Ceburch Coll ott, resu, 84
Peneral hydrosphrous pseudo or ubcapella
hydrosphrous L Biczecz, Am. J Surg 914, 2011 - or ubcancular A large habdomyouns from the right kidney region.

If I want at terbandl a d pon path Ges 19 4 to 457 Renal sarroms of sal to F M Loccus and But I

Surg 20 4 L. 77 [669]
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Difficulty of dangeous in beginning run I tuberrollems. Hore and so being during the state of t

The rests of re aliun too W 11 Deapersta J Ark 31 Sec 9 4 25, 47

Significance of various methods of function 1 exami tion of the Lidney C ACHARD Paris med 0 4 1

Effect on Lidney function of peripheral histraction to the discharge of unne O Schwarz Wien med Wichn

schr otal kt 586 Chuscal tudy of Lidney diseases in the light of a w i chonal tests R Bachmach and R Lows Wen Lim

Whachr 94 St 34
Testing the lunction of desired hidney B Garrier MAN Deutsche Arch ! klus Med 9 s cm 3
Cryoscopy of the urine ind the phenolaulphonepht baleta
test in functional diagnosis of the kidney T Coun 220

Zischr i gynal. Urol 914 1V 43
Tailures of Ambard constant P CATHELL

Med prat 10 4 x. 18

Variati as in Ambard's constant after ponct re for med d hop de Par 1914 Ext, 337
Results in unnary surgery of st dies of Amhard's uno-

Y PASQUEREAU Gas med d ecretory consta t N tes 914 xxx 20
Phenolsulphonephthal e test of kidney functio k
HESEL Deutsche Arch f kla Med 1914 cxi

Thenols iphonephthalic test of kidney function of Schlyer method is Deursent and W Schlyckele De ische Arch f kli Med 1914 cut for By lography E Wassingo Zische f Urol 914

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Surgery of the Kidney

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Heater

Malformations of the ureter with passage of the latter into the seminal duct. If SCHARFERD Distortation Gressen 913
Remo al of stone from the ureter by ureterotomy
Gressen Bestr klin Chir 914 lax in 736

Symptomatology furcteronyclus A Mayes Dis

seriatio Heidelbe g, 19 3 Unteroccie 1 m n Fota una Thèse de doct Par

A case of primary carcinoms of the ureter with sciatical FA BUTLER Clifton M B H 911 11,48 [663] C; is at the open gof the ureter into the bladde W Kotze aras Med Alin Berl 1914 x 10.

Permanent dilatation of the ornices of the eter and reflux from the bladd t the kidney F LEGIEV and E Party treb urol de la li de Necker 19 4 377

Therspent cash transition of the ureter Dulk pov Thèse de doet Pa 9 3 U eterorrh phy alt total section of the ureter P Supolanar Re Irane demed et de chir 19 4 xi 56

Bladdar Urathra and Penia

The capacity if the female bladder K SCHOVING Description, M roung 19 3 A case of me gen tel mailtonnesho E Di MATTEI Sessari 10 3 Foreign hodies in the bladder II Pasts. Wien med

Wheseh 9 4 hu 559 Lengtes Zuch (Urol 10 3 # 945 St en 3 rough f the bladder Gorgeon Phase

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un Zisch i Urol o 4 m 3 4
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Se ere gonorrha I evst to cured by sensitized a to gonococcus accine Dorres and Pataos Pans med P will

pilloma I the bladde ALDRECHT Me atsch ! C burtsh Gynal g a xx ix 84
C Roid cancer of the bladder and its r lation to cyst
formats the na con membrane f the na cystract I at un t I w mesothornum tre time t of carcinoma of the bladder II Wort to Zischr I Urol 9 4 vin

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19 3

Primary cancer of the meatus of the weethra in man. Tisov Thèse de doct, Par 913 Case of primary mal gnant new growth of the posterior urethrs in man A. P. Besvossowa. Dermatologia, 914

Stricture of the male urethra. F G McCarrey J

Indiana St. M Ass 19 4 til 364 Modern treatment of traumatic tricture of the wrethra. GUMBERG Th sededoct Par 19 3 Successful intro urethral operation for de erticulum of the urethra, H. Lohastery Ztacht L Urol old vill

Carranoms of the penus, T Monz, Verhandl. d. papau. path Ge 1914, 11, 45
Prolonged propism resisting medical treatment and
cured by incision and drainage of the ca emois bodies A CHALLER and | GATE Lyon med to 4 cast for

Genital Ordana

Double undescended testicle. D \ Disc mars. Intern t J Surg 914, 22VII, 177 Further experiences of the treatment of imperiently descended texticles E M Conner. Am. J M Sc., 19 4 calcul 31
New oper toms for ectops of the testicle
New oper toms for ectops of the testicle
D LORE.
These de doct Toulouse
g13.
Gas and mitrogen metabolum in castrated animals.
A. F. Sumerica's Dissertati a St. Petersb 19 4
Transplantatio of a testicle from the detail to the living hody G Firmstow N Y M J, 104 c 67 [665]
Autonorother py in hydrocole M Zalvint. Gazz d
6sp ed clin Milano by drocole Milano cole of the tunica appales PN Zwerkove V ach Gaz 9 4 st 25 Removal of th as deferent d seminal venicles in genital tuberculous Jutat Thèse de doct Toulouse,

An inter edical cyst of the seminal curie A. Zharz Wisen, med. Wichnisch: 9 4 hay, 603 Treatment of inflammation of the prostate Broce. Arch. 7 physical. Med. u, med. Technic 9 4, rus 16 Hemaniognous tuberculosa of the prostate M Son-Moods. Vurchow's Arch. 7 path, Anal., etc. Berl., 9 4

cczyl, 45 Dutases of the proviate F M Carriance and F Bonnet. Jahresk L Arnil. Forthild 19 4, v 1 Stenotic strophy of the prostate. J Duns. Buit z. Hin. Chur 1914 zc, 490

Two-stage prostatectomy V CARLIER, Pans med 19 4 1 552 Ult m to results of prestatectomy R. Dr Burner. Gaz d hop cz et miht 10 4 legzva 6 0

Miscellaneous

Urology O Manuscry, Med. Klin, Berl ott, z. Urology in 914. GREGOTER and DORE. Parts mid

Progress in the chagnosis and relief of genuto-unaxy affections. D Y Kittin Ky M J., 914 u, 48.

A case of hacilluna without tubercular leanous of the on asset of assets of the many tracks of the unpary tract. E flars and LLON KINESSE Bull et men. Sec. Hed. d hop de Par 914 EET 37 Finding of an unusual force of streptococcus as he unsure D De Blass. Ann d by spenn 913 EEU 417 Chaders and cylandroids in the unne. C PONES. Zirchr f Urol 19 4 viu 350

Warning against the use of salta of mercury in rology with discussion of adoptaceasy to mercury O States Et Wen med Websicht 19 4, Int 6 5 Vaccous treatment in urology R. Vott. Terap Obox

9 4 vil 65 Progress in genuto-unnary surgery H fl 10000 Am. J Surg 9 4, XEVIII 289

SURGERY OF THE EYE AND EAR

Eve

Anatomical relations of the lackrymal sac and the sore, with method of determining the position of the lackrymal sac on the later I wall of the nore. W ZGMAY Arch f Laryngol a Rhinol 9 4 Front, 3 f Largaged persons for the relate of anasolachrymal stances. E M Hours Ann Otal. Rhinol & Latyngol and Stanton.

nous E at House Ann Unit Rhinol & Layrigol
10 Ato 156
1 The hiery bon of ystagmus through the closed eyehote, E.P. Fouries Layrigoscope, 94, EIN 73
A case of ubion of the 3 ball and optic zero. S
Oricelegouslast West ophthale 94 EEE 8
Ophthalms requatorum W W Fowers Te M

Opperations in Control of the Control of Control of

J M HARMSTER, P. I. LEO-ARD, J. M. PATTOV. and W. P. WHEREY. Midd. Heald, 9.4. EXEM. \$7.00 H. Propheral pagement 1 and 6.4 EXEM. \$7.00 From J. M. Sc. 9.4. and us. \$1.00 New operation for coincid cornea. F. B. Tire. Ophth. Scc. 9.4. us. 179 Convergence unsimilationity. A DUANE. J. in M. Ass.

Convergence manual and its treatment C 4 Harrassi Casque, Da cago, 9, 2,339 4 Exopolations in orbital tumous and in M Her Harlow's Masser F Jarrassical Dissertatio K I 93 Congressial variances in the orbit C I rounders and I Fanase r Gas hebd d ac meld de Bordeaur 9 4

TITY ELS XXXV 245
S) non-timal summata of the orbits F WeekelKim Monatshi I Augenhelk 9 4, 1 40
Relaps 3 acute into cured by the use of togenous
acute. It C P axze. Ophth Rec 9 4 xxxx, 993-

Sympathetic optic neuritis or transferred papilloretinitis. H. B. DECHERD Ophth Rec. 1914 MMI, 383 Enucleation with transplantation of fat into the orbit.

E. STIERRY J Am M Ass., 914 Izul, 545
The orbital poroach to the cavernous sinus II P. MOSHER, Laryn goscope, 1914 KHV 709 [666]

The conservation if the hearing function, W A. PRINTIPS. Lancet Clin 19 4, CRII, 1
Gun deafness and its prevention. J Honne. Lancet

Lond., 1914, clax vu, 462

A case of ottuc treptococcue bactersenua R B Cas.

FIRED. J M ch St M Soc 914 210, 488

Bactering in the treatment of diseases I the ear G M

COATES, Laryngoscope 914, ERIV 677 [667]
How the patient ca help himself in cases of chro cocatannal offices media. S. H. Luzz. An. Otol. Rhisol. & Laryngol 914 xxu, 377
Disturbances of smell in middle ear infl monations

without our brain aboress. E HELSTER Dissertation Gottingen, 9 3 Masteid complications J W Museur Lancet-Chn

Two unusual cases of mastordius t children W

Milsov Brt M J 9 4 m 398 [667] A case of late t mastoiditis complicated by toric and unitate e cereb at symptoms accompanied by blindness and a streptococcumia caused by trauma S KOPETZLL Ann. Otol. Rhinol & Laryngol, 19 4 xxiii, 391

A case of simultaneous bilateral ca emous sinus thrombosis twelve hours after a simple mastoid operation. I Fateixer. Ann Otol Rhinol & Laryngol 1914 xxiii

Diffuse serous labyrinthitis complicate g acute purulent

otith media, E. DANZIGER, Ann Ot l. Rhinol & Laryngol 10 4 xxiii 406, Two cases of sarcoma of the dura mater arising in the

scienty of the mastered process, with vague symptoms smulating mast iditio. J F BARNHILL, A n. Otol., Rhinol & Lary agol 1914 xxu, 381 A case of cavernous sinus thrombosis complicating sup-

utati e labymethitis A. Braus Ann. Otol Rhinol & Laryngol 10 4, 21 1 368. Intracranial complications of otic origin \ Pgo-TASSIZEF Teshem usch gorlow a nossow Boliez to 3

tm 6 0 Temperosphenoid I abscess secondary to chronic s paratit e outus media. J M Ingrasort. Ann. Otol. Rhinol & Laryngol o 4, xxiii 404 [668] Variations of sphenoid sinus disease, G M McBgaV

An Otol Rhinol & Laryngol 914 xxiii 4 9. Further emarks the use of nitrate of sil er policed within the mouth of the custachian t be for the relief of within the mouth of the customers of the things within the Marketty Ann Otol Rhinol & Laryn [669]

SURGERY OF THE NOSE THROAT AND MOUTH

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Infection of nasal ca ty from diseased tooth root. Specimes showing pathwy ! nection through the maxillary st us W R Burr J Am. M 122, 20 4 Affections of the yes caused by mus inf ction C.

Throat

Large cyst of the piglottis. Time. Sca pel, 914 links

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1 Orn. \ Ol \ A.S. J to 4 lr. 113

P th genesis and tre timent [Abromata | the pha year. B MCLLER Zische ! Obrenheill. u. f. d. Lrankh. d.

Luftw 9 4 lex, 45
Stenous f the lary axia mendes. W Biscut. Poliatra,

39 3 53 Two sets of t cous of the larying cured by lary outtoms D L o ma. Res Soc. med. trge tans, o 3 an

w methods I amon g the laryng and the a the dismous ad treatment of t berealous. O the larynx R C Lyven Laryngoscope 1914 xx1 645 [678] Diagnos a and t estme t of cancer of the larvay II Bourgeous Rev chir belge et du nord de la france 914, XI 43

Results of operation (lary ngofissure) I strings cancer (the larynx, E. Schmiedelow Med. Press & Carc. 1914, Cxhx 142 Laryngectomy in cancer of the lary R Bores
Arch ternat de laryngol d otol t de rhinol e 4

EEEVEL 6 zixva, o
Layngopharyngectomy cancer Bisano nd
Sanovov Bull doto haso-lavngol g 4, xus 8
T e cases i layngostomy Bis c nd jana-stizov
A d maj de l'orelle, du laryns, d' nes et d' pharyn

914 El, 146.

Direct hypgoscopy and bronche-copy C Kacitzi-Maczin J Lancet 914 a 415 Strught direct layngo-copy bronschoscopy and cesophagoscopy R. H Jonestov Ass. J S vg 9 4 sayun, 300

The ad antages of intubation of the larynx over tra cheotomy in laryngeal diphtheris W 5 Thousave The importance of ery thorough examination is cases of foreign body alleged to ha been so flowed or inhaled E D Davis Lancet, Lond 9 4 classys

Luschia s caroted gland E Faucovi Irch tal de bed 10 3 hr 208 Mouth

Modern dental operations BRETL Lijec vijes 914 II 124. Factors of saf ty in cleft palate surgery J R. Lastman.

La cet, Lord 19 4 CERRYU 3
Diseases of the tongue, A BRUIL Discretation

Il raburg, 10 3 Lupus of the toegue and latynx If HARM Disects Displection of the sao th with ultra-violet light. E

PRIEDBERGER and E SHIDJE Deutsche med Wehnschr 10 4 xL c86 Dermoids of the floor of the mo th History I develop

ment, diagnosis and therapeutics, R. H see: Disserts
tio Gredswall, 19 3
Two cases of noma follows g infectious disease A Movement co Gorn internet d ac med to 4 attvi 101

INDEX OF SUBJECT MATTER

COLLECTIVE REVIEWS Comparison of the Most Rece t Methods in the Management of Placenta Przyra Edward P Davis W D

117

233

hymology of Internal Secretions I the Overy Carey Culberton If D Chie go ster ture on the Problem of General Aussthesia Walter M Boothly A M V D Beston

Ph ladelphia

Philodolphus e Abderhalden (Serodiagnossa) Test fo Pregnancy W A sit of Renal Function and Their Pract cal Application in St Ray Invest gation of the Colon James T Cose M D E	
GENERAL	SURGERY
SURGICAL TECHNIQUE. Arrai de Surgery na Technique Method of sterniums and stonog catgut 136 Care of surgecul patients, 83	Skull Therous astitue of 492 I actures of 229 Imon, Cyst of 22 Discovery considered, 18 Discovery considered, 18 I trace pial tumors, I o Broin, Tumor of 321 Functure of 19
nephu and Anis plue Su tery D unfaction, with corross e sublimate 355	Cerebral hemorrhage 37 surgery 130 localization 18 Hypophysis, 50 Tumor of 330 Surgery of 132 Printary duesse Study of 590
ne de d'A velbema, Anon Association 250 Desibes dun 3 15 Dangers of 3p Desture in relation to general 15 Oblether of 5 14 developed of 5 14 developed of 5 15 Designer of 3p Papa- ment of 5 Blocking of unfar orbital and mental erves in 37 Serul, 49 Determination of the nershette tension I ether Walle gas inlance and the C nucli annushetometer 50	Ack Acc Co gental T more of 9 50t Cervical nbs, 405 Sumpted aspect of 403 Thyrood I suctions of 13 Indianantian of 356 graits guarts pkg, 437 Goster Sumpte, 405 Sufficients, 356 Lookeni on exophilations, 405 Bastlows ducase Acc Act Control of Control of Sumpter of Sump
Surgical Instr me is nd Appa atas	SURGERY OF THE CHEST
New occophasposcope 350 bil 1 for facture of the busierus, 356 Adelom I ret actor 352 Adelom I ret actor 352 Cydecope guide Victo-methral 7 I strument 100 mea mag pa i movementa, 355 Apparat for treatment of fractures of the keg Combuned fracture of ribopeaks operating table	Che I Bull and Buss Breat, Cascer of so 33 328 597 Carcanoma of 35, 400, Lputh 1 al hyperplana for r Cystic Alama ny glanda, In of ton of 308 Interstitlal cells and internal secretation of 408 Scapuls Sarroma of 134 Cluck Total ciston of 337 Thoras Deforming of 3 Surgery of 133 399 Cartalage I berealcos of th coxid. 736
SI ROTRY OF THE HEAD AND NECK	Thoracocc test without puration 495 Pneum th ax \tritics 239 \atural nd artificial
Head junes, value of imphar punct re no medico- legal polyment of 500 Parotte Jane Vept melectio of 320 T tal re- mo 1 of 1 Recetto of 320 T tal re- t recidence of the recent of 35 b w burgonic conditions of 37 Recetto of 500 31 litry even 3 rection of 500	Pulsonary tuberudous, Surpt 1 are transit of put Parties R Rears of 357 I mp; mar of 497 Ludothe- land to the surptiment of 497 Ludothe- land to the surptiment of 497 Ludothe- pulsonary Francisco (1974) and 1974 Nobasus on Sart, yo o'th organs of 35 This organization of 498 Higher trophy (498 Lalargement of 390 md Ruckets, 498

```
T achea nd Lungs
```

Air passages, Foreign bodies m, 2 Traches harcoma of \$20, 548 Stenous of 24 Bronchus Fortign bodies in, 5 594

Bronchoscopy 320 Bronchoscopy 320 Bronchoscop 337 400 Traum tic rupture of g Lu g Abaces of 337 400 Traum tic rupture of g Decortication of 24 Surgery of 504 Surgery of and pleura, 117

Heart ad Vascul Sy tem

Heart, Tre Licent of wounds of 13 but re of 137
400 Surgery of onlines of 40, 500, 504
Ferenards in Adhes between beart 2nd 4 Tube
rular adhesions of 38
Penearshal effusion Study of 4

Pharyna and Caobharus

(Leophagus, Stricture of 242 R piture of 258 Re-mo al of a plate of false texts from 5 I lastic operation on, 593

SURGERY OF THE ABBOMEN

thdom not Wad ad Perd ac m

Pag susserq languolds-traft The archaed of gracture increase 550 D aphragm, Liventratio of 54 Chyldorn effusion, Cases of 25 Idenomats of the mbdeus, 506

Pentoneum, Adhesions of \$50 Pseudomy zona f 50 Inflammations of \$40 Harmorth ge of 596 Treatme t of pentonius 138 24 Surgical

treatment of sot Herna, Casunation f abdominal, 30 C agental disphragmati 30 Left dischraif 30 Str agu-lated, 503 Obtur tor 24 Trastm at of 5 Radical operation f inguinal 5 Seatry of

39 507 mentum I orm and I octional agnificance of 5 3 Meckel di e teculum Diseases connected sth 4

Lastro-Intestraci T act Barrum sulphat Preparation of for the opaque meal

Banum suppass requested of as, 507 Diagnoss of uncast of freezes of as, 507 Diagnoss of uncast of the second 1908 R generagement of the 71 II ornscope easumation of 4 Letto of bule on 243 Bannorth go of 1 Hour Letts 90 Vol 180 Cody Surgoy of 4 cog of the 190 Vol 180 Cody Surgoy of 4 cog of the 190 Cody Surgoy of 10 Cody Surgoy of 190 Section 190 Section 190 Cody Surgoy of the 190 Section 190 Cody Surgoy of 190 Section 190 Cody Surgoy of 190 Section 190 Cody Section 190 Cody Surgoy of 190 Section 190 Cody Section 190

of 36 , 500 Tumors of 546 V runform 603 Hyperthyroidism and the 46

Lecocolon stasss, Operation for 549 Jonnesco a membrane, Anatomy of aurgual technique

Jonneso a memorane, ranazony or aurgum teconque na, nd for funnt of 162 I testinal stans, 44 247 600 Pseudo- 90 Large int. In Cancer of the 348 Diverticuls of 609 Recetton of 600 Colonic peristal a and Uperistalist, X ray observa

tion on 5
Cido I thology of gmost, 363 Congenital distation of 144 148 Tuberculosi of 363 Cancer of
45 Surgery of 44 Sigmondoscopy 45 Color

turny 6 o

Rett m, I rolapse of the 240 Inflammations of 365.
Geo the of 91 M Hormations of 673 Gumma
of 146 Ca cer f 46, 47 Surgery of 91 147

249, 155 fit tue (to the of 364 Gastro-pitchinal tract Studies of 3 3 508 Radio-graphical studies of 40 Stunous of, 3 8 More 1 36, 505 600 Cartinoma of 244 Surgery of tos tos

Line P seres ad SH ca.

Li er 11 morrhage from 507 Runture of 306 H) dated cyalo of 365 hyphilis of, 6 4 Surgery

of 147
(1 bladder Lessons of 40 1 jury of 507 inflammations of 40 166 Trevtreent of infections of 366 Surgery 1 48, 40, 367
lisheduct, Aureus of 6 4 Surgery of 540 Reconstruc

tion of 0
Ampulla of Vater Tumors of 250 Transplantation

of 367 Anterior Choledoj junostomy 6 Gali stones, 503 Diagnosis of 148 I nervas, I flammati of 368 Splera, Lulargement I 29 Wounds of 368 Rup-

ture of the e ternal expende of got Surgery of 30, 308 615

Mu of norms

Abdome \ t conditions within, p. Prosis, 150, Pathology underlying symptoms of 6 5 burger)

Laparotomy Disturbances in 358

SURGERY OF THE EXTREMITIES

Drucase of the Bones Joints Muscles T ndons -- Con-dit na Commonly 1 and the Extremises

da' na Lemmenty I nd the Literausies

Bose Diseases of 15, 372 soc. 6, 7, Altophy of

137 Calodicans of 37, Verse of calcium table

138 Calodicans of 37, Verse of calcium table

138 Calodicans of 37, Verse of calcium table

138 Calodicans of 17, Verse of 17, Verse

138 Calodicans of 17, Verse

138 Calodicans of 17, Verse

138 Calodicans of 188 Calodicans

138 Calo

Discuses of 3 3 53 5 , 53 54 373 5 0. Treatme 1 of heumatic infections of 12, 620, Tuberculous of 373 Tuberculous 1 houlder thew and wrist \$1 Syphilis of a

f sod form oil in, 374 Arthroplasty f the shoulder, 23 Tumor f rmation in wise-55 Injunes of the Luce-32 33 154 I ternal derangement of the lane 62 5 pupurat e arthrits of lanes 35 Tuberculous of the lanes 54 54 Indection 1 the succession, 150, 150 Disease 5 the laps 50 Tuberculous (the laps 154 853

Schlatter sprain 51

Mucles, Mectus soi 375 5 0 Ossification 1 620

Tendons, R pittle I the articular portion of the long,

3 t Cont act red poss pare us 6 Tendor sheaths, T more of 25 Foot M lanoblastomas (att

f action and D slocations

Fractures, of the w ist 3 , of the hum rus 14 375 6 of the metatarial bo e 6 (the pel is 378 of the fement 55 5 t of the pat illa 34 1 th neighborhood f jounts, 253 62 of the long h ad of the burps 56 Treatment of 155 2 6 370 623 Surgical tre timent of compound 378 350

Surviced treatment of simple 6 3
Dislocations, I the metacarpale 56 of the radius
133 of the hip, 257 379 6 4 I the f mur 56 of the knee 380, 624

Swreey of the Bones Joint Fic

groy of the Bress Jonal Ec.

Simpal transment of factures 34 of 38 383 5 me of the process and points, 384 of 3 of analysis of the process and the process of the process o

Bone-plating teel 58 59

Orthopedics General

Orthopedic surgers General practice in 260 Progress

1 35 Hygene tests applied to be
Paralysis, Causaine and prese too of infantile 35
Surgical treatment of infantil 356
Congenital defects of the ulas 36 of the radius

384 of the fi gers 6 6 Deformities Facial 6

Lumbosacral pains 387 Backache Causes and tre tment f chronic to Pages partus contractio 384

Plots part us confraction 334, Management of p disease 61 Arut epidemi pol om elitus 626 Congenital mallormations of the anale Study of 356 Cl b-foot 35 356 T mectomy for 355 Foot Deformities ! 6 Treatment of flat-314

Sag and taut 36 Paralytic toe-drop Operation for 35 Foot plates Use 1 59

SURGERY OF THE SPINAL COLUMN AND CORD

Spine, Deformities I 387 Scolion of 37 50, 6 63 Causes and treatment of scolions of 356, 350 Anhylous of 9 Inflammations I 37 Rickets of 5 2 Pott disease of 63 Pott

parsiys is 514 Tumors of 60, 514 Fibro-carcoma of the, 160, Bifurcation of 864 Bone transplantation in tuberculous of 627 Cauda equi a Tumors of 60 Coccygodynia Treatment of 91

Laminectomy for spinal lappry 150 Technique of

SLEGGERY OF THE VERYOUS SYSTEM

\ nes G mhot; runes of c 3 627 New growthe of 64 R generation of 264 Surgery of 116 6 8 Tr mend tation of a64 Pneumorastric Resection of 18

pa tic paraplegia Surgery of 38 harste \an Gehucte operation (Little s disease 130

DI EASE AND SURGERY OF SELN PASCIA APPENDACES

Burns, Management of 39 Lupus Treatment of 265 Ulcer Treatme t of 265 Fascia Transplantation of 5 6 Stin flans, Transplantation of 16

MISCRILANEOUS

Cl seal Entities - T more Ulcers Abscesses Ex-Cell formation Study of, 6
Reciprocal relations of glands with internal secretion

Pumors, Spontaneous chicken 300 Cancer Prophylams of 30 Immunitation gaunst mouse 6 8 Surgical treatment of 6 8 Basecellular carcinoms, Histogenesis of 39 Sporotrichosis S rgical treatment of 516

Systemic blastomy coars 620 Shock Peripheral origin of \$ 6 Prevention of pur goal 650
Tossue C fit attors of human, 39
Transplantation of tussue, 266, 267 of organs, 267
It t Uses I 30

5 rescal operations, Complications following, 267

Ser Lace mes and Ferm mis

Vaccunes, Treatment of retains by 39 3 7
Vaccunes, Treatment by 40 67 268
Inaphylans Study in, 68
Studies of Ibderhalden I ment reaction 630 Ferment substances, Study of 63
Experiment with Abderhalden distyns, 630
Appearance of non colloidal ninhydrin rescting sub-

stances in the unne, 302

Use of mixed toxins in surcoma, 63 Staphy lococcus reactions, Use of 40

Blood Leucocytes in the, 260 Treatment of hismor rhage, 260 303 Experiments in hismolytic acteria, 41 Technique of hypersema, 70 Effect of hapmortomy pon circulation of the 70 Trans-fusion of 63 3 8 Apparatus for transfusion

Amilary sup, 63 Hydatid cysts, Intravenous treatment of 44

INTERNATIONAL ABSTRACT OF SURGERY

Thrombokinase, Significance of 170 Conguleno Kocher-Fouso Experiences with 270 Thrombophichits, Post-operative 42 Embolism in fractures 27

Blood nd Lymph Versels

og mt. J. suph v states
Anstumm, of the Common carotid and internal jugular
30,1 Biofenousi, 118 | 1 the deep regastric artery
802 in p. 187, Treatment of arterior conso.

Declarity of the Common carotid consoleration

Common versa, Treatment of 42
Blood-comba, Transpile talton of 17
Storgeal repart of, 27
Branches of nerves within the vessel walls, 164
Former levessit, Arterny cross strategies of the 50
Former levessit, Arterny cross strategies of the 50
Former levessit, Arterny cross strategies on the 50

Lymph glands, Treatment of tuberculous of 612

Lymphosarcuma Treatment of 394 Hodgkin disease, 304 Chuical consideration of 395 Blood picture 2, 394

P isous

×

Tetanus germs in excrement of horses, 44 Corrouve a himate Initaten us injection of 44

Swelcal Theresenties

New physiological solutions, 45

Electrology

X-ray Interpretation of 5.9 Influence of 27 Changes produced by 164 Theory of the effect

Ranigen treatment [malagnant growths, 65 Dougs for relatest therapeature 633 Irradiation of aramonas, 7 of tumors, 365 Radum Protective effect of 305 Efficiency of 633. Treatment of malagnant tumors with \$43. Messhanum, Caramona treated with 73 Lifest d.

Fulguration of rat surcome, 165

Military and Vanal Surgery

War urgery \$74 Statustics of the Japanese Samitary Service, \$76 Samitary report of Imperial Prusuen Army \$75 Samitary service and military urgery on haspital

ships, 535 Wounds, Infection of in war 74 Treatment of irfected ys

GYNECOLOGY

Heres

Cervix Infection of 40 New growths of 400 Caro-nome of 300 Myoma of, 300 Amputation of,

Uterus, Cancer of 43, 49 66, 71 77 307 308 510, 350, 636 Early recognition and prevention of cancer of 46 Ter insent of cancer of 46, 556 Results of Indium in cancer of 47, 308 Microthonum treatment of cancer of 173 Treatment Results of Industs is cancer of 47, 305 Microthoraus treatment of cancer of 175 Textures of
carcasona 1 436 517 Estimation in carc
in carcuterm of the carcasona 1 436 517 Estimation in carc
in carcasona 1 437 Micro1 Microorganic disease, 167 Condition of mucous memtrans at the time of menticulture, to Chaste, in the Bood chung menticulture, as Noo-congulability of menticul blood, 10; Eurick in menticul discorders, 40; Supplemental transcess menticulture and or generary 13, Ultravoles, 17; Christiage of the Charles of the

Admend and Per stering Conditions

Insul and the sterus Conditions
Compal history Development of 12
Orany Study of, 85, Austrony of 25 Pathological
austrony of 495 Study of 35 Pathological
austrony of 495 Study of 345 Change of
445, Theory of the internal secretion of 495, 455
Theory of the internal secretion of 495, 455
Theory of 45 Study of 45 Change of 45
Theory of 45 Fibred tumor of 77 Pathological
at the city of 45 Fibred tumor of 78
Adment Study of 45 Change of 78
Adment Study of 78
Adment Stu

isternol Genetal a larges, Construction of 55 Gonormoral inflammations of 524 Leucorrhoa of 55 524 552 Caners of, 282 Instilla of 75 53 Treatment of hydro-cele of 53 Myoma of 644 Technique of opera-tion in treatment of fishulz of 644

Tea of the permeum, 645 Permeorrhaphy 5 5 645

Mascellaneous

Gynecology Spinal angesthesis in 83, Injection of arthigon in 289 Significance I bacteri logical artingen in 200 significance i partieri togical eramination in 408, 647 Assimilation pel 18 ia 30 and eugenics, 176 Hydrotherapy i 277 Laparotomy in 8 V-rays 76 Renigra treatment in, 58 647 Irradution in, 17 409, Explo atory puncture in 189 Employment of

hypophysary pother py in 447
Internal secretion glands Diseases of 83 Function

Treatment of gonorrhoes in women, 645 Female genualis, Significance of changes in, 407

Lemane generalis, Significance of Changes in 407 Tuberculosis of 406, 646 Infantalism of, 407 Consortheel disease of 406 Gential organs, Thyroid and 176 Diphthena of

Gental tract, Adenomyomata of the 406 Spermat-osoa in the abdomnal cavity and, 57; Treatment of inherculosis of 57 Tumors of 646

I officen duct, Cysta of 406 Treatment of hamorrhage in adolescence, 408

Climateric, Induced, \$75 Spermatosca, Demonstration of absorbed, 57 Ovum, External migration 1 525

Urmary incontinence in women, 17 Electrometrogram in animal experiments, 409
Pseudoherm phroditism, External female 78 Case

Steril ty 180 Causes and treatment of 177 Psychoses, Operations in 56

OBSTETRICS

Pregnancy nd Its Complications

Placesta, pravia, 200, 516 Tamponing 2, 19 Treatment of hamorrhage in 60

Preparacy labor and puerperum, 163 Twia, 90
41 Spranficance of abdominal, 448 Duration of
170 Treatment of 53 Management of 90 170 Treatment of 65 Management of 19
Extra uterior 80, 1904 9 Ectopic, 70 Treat
ment of ectopic 58 Internitial 58 in the open
tura, 60 Simultaneous interruption of intra sad tomore, cooper go testimates go un correct per control of the cont and pulmonary inherminate for and I hercideals and the laty and of the laty and la

Treatment of 80 Wassermas reaction 1 A pollulus at rel cin 100 March 100 Mar

Bosn s method in osteomalacia, 651 Ovum Pentoncal implantation of 18 O amon gestation 200 Chores gravidames, Prognosis in, 4 6

Labo and Its C mplicelions Labor Conduct of normal, 6: Management of 6: 416 651 Drugs during an Scopolamine nar

410 051 Drive during 19 supportuning fair copins semistrons in 552, 551 Enternal examples of the semistron of the semistron of the semistron of the semistron of the semistron, 552 during, 418 Rupture of the sterns during, 558 driberal being supportunity against resusation, 558 driberal panel resusation, 558 driberal ery without agmai rempation, 508 Artificul premature, 4,3 Shoulder presentation in, 658 Breech presentation, 51 Breech estruction, 2 with kunter breech forcept, 185 Crail tomy 515 from double uterus, 185 Discharged on an arton cyst dumng ryl Dupkation of female grantain in 186 Non ligation of the umbilital cord in 4 9 Retention of membranes an full term 4 8 In wason of the uterus follow ing, 04, Hernatomata of the external genitalia nd agusa during, 6 in contracted pelvis, 65r

sn funnel shaped pelvis, 652 in disease of spine 652 Lagitus uterrate, 203 Retractso of the uterus on the decapitated head, 652 or method of artificial separation of the placenta.

Manual separation of the placents 652 Feetuses, Relation of Jphilis to dead macerated 457

P urpers m nd Its Complications

Purperal, sepsa, 594, 419, 420 Treatment of sepsas, 63, 419 lever 186 thrombophiciatus, 534 infec-tion, 63, 53 Dagnosa and treatment of, infec-tion, 62, Etology and prophylaus of infections, 63 ectampus, 293, 419 inversion of the uterus

635 Postpersum, laftence of gonorrhera on, 4 Brady cards us 53 Prolapse of the uterus during 86 653 Management of 42 Autrition in, 65 liamolonia in identification during 653.
Post partum, hemorrhage, 294 rupture of the certific

Usscell seems

Abderhalden diagnosis 188, 189 67 4 f 422 Cozaign pelvis, 637 Pelvimetry Plea I r more 64

bilect of pituiting a the uterus tro I av able go for birth of first child, 97 120 6 S Conception Dangers of preventing, 426 Pregnancy Diagnosis I terme 6 4 freigations in

galacy Diagnous : terme o 4 fringenoms in 297, Medicinal impations in 4 5 flypertrophy of the break! 297 Prese or of ferments : the blood dun g. 654 Sugnificance f blood pressure n 64 f mit is n of the dialysis method as feet, 654 Importance of unnalysis during 207 Congenital seternis, 205 Corpus; teum and, 35

Lierus ubseptu in, 100 Serum resction in ean-cer and, 64 655 Antiproteol the verum action in 654 Shim reacti in in 653 Lye ha ges in 655 Medicologil agruficance of mensitu itsai and 6 6

Place to, instomy of 4 3 retailed in the lalone for a long time all r extra-uterine pr garney

557 Tre tm t of retained, 557
Placental albumi. The clue of blood series of or maf and diseased truly aduals on, 4 a

mat and discussed that issues on, 4 3 Lymph glands Presence of decidual tissue t 4 5 Ectopic decidus, 4 7 In it possible to distinguish maternal and fectal bloods by the new methodish 456 Giant children i requency of 205 Americephalus, Acardiac 205

Quadrupkts from four ova 181 L to pains Effect of thyroid substance on 66 Pitu _____ trin_n 658

Cap t uccedaneum 64 Antenatal pathology 90 O stoczes, 98 Hypophysis as, 95 Determination I the ge of human embryos 656

Stillbirths 168

B tth fract re Trestment of of Ostromaluca, Trealm t of 65 Veonatorum, I terus, 656 Goporthosalophthalma, 656

New Don, Hemouring et a., 66 18. Explored h ma tom the 87 failammations of the cy ma 55 Olve tracal depresses of the 81 lot 60, Dropsy of 4 + Resuscitation 1 4 5 Testimes of suph sia S23 C uses which per twosten from murang 657 Insumanicact relationships of mother torus, and

placenta, 185 I cetus and n w born. Relation of maternal diseases

t the organs of Se Relatt n between mother and child, 65

Obst trics, Observations in, 55 Pituiti in, 64, 16 42 513 Landanon in, 423 Narkophia in 26 to use compressor in 435 T mpon in 195 Study of sur embolism n, 64 4 5 Hamoring to 4, 5 Changes in the blood during humaring in 322 Paralysis in, 538 Osum Impla ! lina of 04

GENITO-URINARY SURGERY

Aidney and Urele

S prarenal capsules, ide. his coute t 1 67 Perucual is droncphrosus 660

Idrenal deficiency Lo g standing ymptom of 6 Idrenal cortex Llypernephyona of 9

Idernal deficiency. Le g standing ympioen of 6 dernal cortex Hyperrepievous of 9 (dernal cortex Hyperrepievous of 9)

Ekhiry Anatony of 4,7 Retro-acrit. en 1 es 19, Temporary lagation of en 1 vans of 1 kath ogrephy of 103, 114. 1 ectoonal test 1 page 1 control of 1

Bladder Urethre, ne Penus

filadder D spherment I 4 9 Detachment of, jet Everson of 90 Ectopas of 95 Exstrophy of 420 Symptoms of 303 Diseases of 95 Hour glass, 304 od ts phoneten, 95 Centra 66, 199 Calculus of 96 Tumors of 7 00, 301 540 Papillary I more of 537 Papillomat of

crusted cystitis 73 85 Transment of cystitist 3 Taburculous of \$6, Periovation of \$8, Surgery of \$40 95 Drain get 6, 40 Urethra, Lamination of \$90 Measuration and praction of \$4 Rupture of 4 0 Caranoma M. 305 Surgery of 304 305 430, 54 Urethrowerfal 6 title 50 Urethrowerfal 6 title 50

tion Chro; rete to of 23 Treatment of reta-tion of 25 D latation of structure for retention

Penis Do ble 306 Carcinous of So 306

Gental Org. 14

used Org. 20.

Testules, Imperfectly descended 3 y 665 Tussed 360 Ares, pro the of 360 Lance of, 26 Absence of 45 September 2015 1 307 Transplats too of, 54 656 Lance of, 54 65

physicology on 54 r toning of 54 Operation of 50 and 50 an

Urusary tract Radiography of 300 Unutry antiseptics 13 Injection, Serum de gnos of a norrhoral 54 laise

Injection, Serom m goos of a norrheesi 54 \ \text{Limits}, I terms secretion of the organs of man, 4f \ \text{Limits}, I terms secretion of the sexual 543 \ \text{Limits}, I terms secretion o

SURGERY OF THE EYE AND EAR Fa

Eye

Shortening ocular muscles 434 Pigmentation of the cornea, 666 Scierocorpeal trephining, 31 Lagrange scierectomy and Elliott trephine operation,

Accident and detachment of the retina 433 Traumatic exfoliati e Leratitis 434

Blepharoplasts 434 Eye, Sporotrichosis of 3 1 Vision Impairment of 3

Optic nerves, Inflammation of 3 1 Con ergent squint and is treatme 1 666 Ophthalmia, Sympathetic, 203 Gounerhead

neonatorum 666 fradocyclitas Post-operata e plastic, 203

Glaucoma Heredstary 544 Chrom 544 Remarks n, 3 o Operations for 3 o Cataracts 434 Irrigation afte 434 the capsule

434 Extraction of 310 Ocular disease, associated the prorrhota af rolans

Orb t Tumors of 544 Cy tof 3 Orbital approach to the ca ernous sinus 666 Temporal conus, Case of 3 Conjuncts a Statuting the \$44 Sal arsan n ophthalms practice 103

Ear Lesman tion of internal, 204 Malignant disease of 314 Dise se i 545 Infections of 546 \ n ppurats disease of 3 3 Treatment of diseases of 662

Auraf ertigo 3 s Semicircular canals and the function f equilibrium

314 Hematoma auns, 310

Sphenoid sinus disease, 660

Outis media, 3 435 545 Chronic catarrhaf 667 Chronic suppurat e 668 Ear Radium to diseases f the middle 546 Disease of external, 3 2 Chronic running 3 Furunculosis

of 546 Syphils of 313 Vastord Wounds of the duta during operations on 436 Inflammation of 312 546 667 668 Fistule f llowing operations on 313 When the radical is imperation, 43 The blood-clot method as

pplied to surgery of 435 Operations in inflam m tion of 436 Labymath Inflammation of 3 o Suppurate laby nothitis 436 668 Diffuse serous labyrinthitis,

668 indication for operation n 435 Indications for surgery f 201 Eustachian t be Virate f sil er applied within the

mouth I the 660

SURGERY OF THE NOSE THROAT AND MOUTH

Vasal septum Resection of 77 hasal chosane Occlusion f both 7

Nasal submucosa Absorption of epinephrin from 47 Nasal symechs 3 5 Nasal by drorrhoes Lt log of 3 5

Nose Adenocarcinoma 1 3 5 Inferior turbinat Rem slof the posterio t p f 3 5

Nasopharyngeal m mosarcoma, 33 6
Nasal influence n en affections 3
Nasal def mut Lise of section of the scapula in co rection (6-0

Correct rhi plasty 437 Sinus Disease of the m xill ry 437

Frontal sams pouration 434 Sinustis, Complications of 437 Pathology of cut Nasal accessory as uses and their relations to the ey

3 5 Lmp) ema of 3 Surgical treatment of 3 Otorbonology Use of the wasophary uposcope us 435

Tonsal Histopathology of the fundal, 43 Li gual, 600 Physiological significance of 3 6 Its rela-

tion to thyroid disease 3 Hemorrhage of 547 Surgery of 3 6 Tonsilectom, Hamorrhage from 27 Laryngo-copy bronchoscopy and resophagoscopy 316

Laryar Lvanunation of \$47 Inflamm t on of \$47 T bertulous of 105 3 Alcohol in tuberculous of 7 Radium papilona of 3 * Cancer of 316 438 Lymphomata of 3 * Remo al of in transc grounds of 6 Laryapcools entirellaris 37 Laryapcoolsy combaned ith gastrostomy of

Larymopharymeetomy 78
Leamin t of f reign body alleged to b c been allowed or unhaled, 6

Month

Tongue, Tuberculom of 3 9 Cancer of 3 8 Carca Palat Turnors of the soft, on Surgical treatment of

Pendi tal infections, of Cysts Tuberculous and perulental, 18 Dent gerous cysts 548

INDEX OF BIBLIOGRAPHY

GENERAL SURGERY

Surgical Tech lave

Operative Surgery and Technique 93 207 343 439

Aseptic and introptic Surgery 91 207 323 439

555 1671
Anssibetics, 93, 207 3 3 439 555 672
General Local General subjects on anas-

Surgical Instruments and apparatus 94 207 324 44

Surgery of the Head and \ech

Head, pa 208, 324, 440, 536 67 Scalp Si herres Glands Skull ad Mazilla Heninges, Brain cerebrum cerebel-

lum, hypophysus nan, 1970-1978: Neck. 95 300, 335, 447 557 678

Skin Glands Muscles ud Urod encis.

Bines. Thyroid Gotter Basedow's disease

Gru es disease Parathyroid. Retro-pharyn seal conditions

S core of the Che !

(F) 9 cm. Carlot Wall and Bresst, 96 seq 326 44 558, 673
Bresst, Incasons, wounds, mymre, tc. Bones,
Flours, Medicalcount, Thymns
Traches and Lougs, 96 0, 3 6 44 558, 674
T schen, Brench, Lungs
Heart and Vaccular System, 97 10, 327 442 535

674 Heart, Pencardum, torta haty as and (Esophagua, 97 ato, 327 44 559 674 Miscellaneous, 5 7

S racry of the Abdemen

Abdomical Wall and Pentoneum or \$10, 257 41 559, 674
I casons and dramage Tanors Retro- nd
pro-pentoncal conditions. Pentoncum D

pro-perionical conductors Periodicum Diphraym Ifernia. Ouentum Mesestery Urachus Diverticula Gastro-I testinal Tract, 65, 8 325, 443 560 675 Stonach (and Pylona) Duodenum. Senzi Intestines Cacum. Sprenda. Color Returnes C

Anus Anus
Secretions of diagnosis, radiology injuries,
hemorrhages omiting inflammations, obstru tones, herma, ulcer tumor wrgery
general therapy
Liver Pancreas and Spicen, too, 5 33 446 561 677
Macellapous 6 53 447 563 678

Surgery of the Extremulus

Diseases of Bones Jonts, Muscles T ndons Gener I
Conditions Commonly Found in the Extremites,
1 6 33 447 565 678

Fractures and Dislocations,
7 333 448 563

533 445 504 Surgery of the Bones, Joints, etc 3, 1 7 333 448 505 679 Orthopedics in general 3, 8 334 449 565 680

S gery of the Spinal Col mn and Cord Diseases and Deformities of the Spine, 103, 118 134,

440, 565 680 mations tumors fractures, surgery Cord

Surgery of the \cross System \careous System, a4 19 355 449 566 681 Inflammations tumors sureery

S gery of the St Fascia Appendages

Skin Fascis, and Appendages, 204 819, 335 586, Burns, fajuries inflammations, tumors, ulcers, surgery

Marcellaneous

Choscal Entities-Tumors, Ulcers, Abscesses, etc., 104. 1 9, 335 450, 557 681 T more. Ulcers. Inflammations. Shock. Tissus Transplantation. Surgical Discussi

Sera, \ acruses, and Ferments, 5 30, 336 450 558,

Serum, Vaccine Ferments, Immunication, Anaphylama Blood, 106 s 337 451 563, 68s Blood, part true general. Hemorrhage Caugu-jation Thrombouv, Embolum, Transfesson

intion Threeshout, Embolum, Transforma Blood ad Lymph Yessels, 65, 52, 537, 437, 556, 651 Aneuman Yessel suiture and ligation, Lymph Yessels and glands

transes and games.

Passons, 60, 1924, 413 50, 633

Supped Therapeature, 17 338 435 550, 653

Supped Anatomy 7, 4, 425 50, 63

Electrology 97 332 542 550, 633

Electrology 97 332 542 550, 633

Historical Participation and Injuries.

Historical Participation and Injuries.

Millary od V all Surgery 813, 330, 433 5 %, 645

Surgeal Diagnoss, 68

GV3-ECOLOGY

Uterus, 108, 3 359, 453 570, 684
Tunners, Hiemorrhage, Inflammations, Malformations Displacements, Injuries Surgery Adnesal and Pen tenne Conditions, op, 24, 340, 455 \$7 685 Ovaries Tubes, Ligaments Pel ic conditions

La general
External Genetalia, o, 4 340 456 5 685
Vacua, Vulva, Urethra, Chrons Macellancous, 2 0, 5, 34 456 57 68g

OBSTETRICS

Prepancy od its Complications 5 34 457
57 656
Freguency Eclassipms and tournmas Consarvan
scellen. Abortson Complications
Labor and its Complications, 7 34 468.575

686 tracted pelves Abnormal presentations
Dystocia. Harmorrhage Surgical treatment
sperium and Its Complications, 34 459

571, 681

Diseases common to, Infections. Hemorrhages Miscellaneous, 1 2 8 342 459 573 687

GENITO-URINARY SURGERY

Kidneys and Ureters 11 2 8, 363 460 575 688
Adrenal gland. Ludneys Ureters
Trauna, calcul, displacement, malformation
hemorrh ge tumors inflammations, surgery
functional tests of

Bladder Urethra, Penis, 13 229 344, 462 576 689 T auma calcult, displacement, malformatio hiemorrhages, tumors inflammations

Genital Organs, 1 4, 23 345 46 577 690 Testicle Epididymus Spermatic Cord Prostate Muscellaneous, 4, 30 346 46 577 690

SURGERY OF THE EVE AND EAR

Eye 15 231 346 463 578, 650 Glatcoma Trachoma, Cataract Inflammation Ear 113 23 347 463 578, 651 Outer ear Middle ear Internal ear Mas-tonda. Braun abscree of other origin etc

SURGERY OF THE MOSE THROAT AND MOUTH

Nose, Throat, and Mouth (oral surgery) 116 32

347 464 579 69
Nose external internal
Throat tonsils adenoids larynx pharynx
Mouth palate, cleft palat teeth tongue
General conditions

INDLX OF AUTHORS

Abbe R 655 Abde lakien 1 654 Abrami, 1 452 Account & 435 Adam 655 Adams, Z B 150 262 588 Adams, Z B 150 262 588 Adar, L 70 Spuils n L, 657 Vali of 1 651 1 1 1 1 1 1 1 1 1 1 1 1 1	B uchman, C Are	Bord (M 112	Champtaio p S T
Abde lakien 1 654	Bast r C 1 a6a	Hoya L. 1 535	(handler T L 32
Abraml, 1 424	He rd, J 11 207	Brackett 1 374 0 0	Cheatle C L. 33
Account G 425	B les, Jr II ge	It ambn, W C 669	Chen), W F 0 4
Adam 635	Be k C fas	Itrandes, cos	Chiari, K., 502
Adams, & H 150 161 558	H K J C 3 6	If style VI 5 2	Child Jr. C. (1)
Adler, L. 70	Bell U 3 3	Bialtul, T 5 7	Ch ld C. P 637
161 ld 1 Ar	Bedman W C sea	Learnin L and	Chlumsky \ 100 Chokod B
word and	Redme M at con a n	H an 1 446 668	Chut A. L 80
Albee 1 11 asr	611	B etachn uter 47	Clark J B 507 Cla L I S 50 (larke J J 381 Clarkson F A 22
			Chils
Mess ndr R o	licele S 1 165	lirodhe d, G L. 291 415	Clarke I I 181
Mexande L. D 315	licele S 1 165 licer L 5 Behne k 57 54 Bell, W B 47 167 37 Bellot V 105	lineck art J 350	Clarkson F A 22
Allen II R., 57	Behne L 57 54	Hruola, II or	Claybrook, E. B 41
Allison > 134	Bell, W B 47 107 87	B gha L J 218	Clinet J As
Allman 86 433	Benda 4 105	B oughton Hovel H 400	Loskley C C 31
Merm an, 1 556 Murrald 21 160	Henramie 11 co sos	Its was 1 1 age	(14 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Amberg, Ja 5 0	Benda, C. 56 Benjuma (I 50, 20) Bennett F W 31 Be ninghoff G I 3	Heown, J \ 3 507 Ht wa L 255 Hmwn J \ L 512 Hrown, C \ 1 317	(tes (4, 3) 667 (b) 7 597 Coe 11 \ 60
Anderson, II G 147	Be ninghoff G I z	Brown. () I sty	Cocán I. \ 50
Anderson, L. 1 100	Il the 11 400 414 64 lit ard L 8	Bto n H B 545	Cocin I. \ 53 Lohe I. 437 Loha I 30,34
Andrews, It R. 646	lit and L B	Brown W L #13	Cohs, 1 30, 34
Antonelli, G 4 5	Beresnegowsky V 507	B ugnat III, L and	Cole A, P aos
lanonia 4 3 lanonia 1 35 lanonia 5 3	B scrim, D, 5 1 Bergtold, W It 550 Bernard, C E 443	Hermett E 253	Co) L G 273 007
tanku u 33	Beening C. C. and	District St.	Call C 11 co
Alert S . A con	B mand I. so	Brown W. L. 213 Brown W. L. 213 Bugnai III, L. 205 Bruncti L. 205 Bry t. W. S. 246 B ol tschenko L. 204	Come E VI 11
100 11 11 11 11 11 11 11 11 11 11 11 11	Be mit. F 514	Buche W Al ant	Connell R ti
Aschurt II 4	Heraheira, ft M 21	Buchole C II 110	Colm. 1 30, 34 Cole A. P 202 Col L. G 273 607 Collina. J 160 Colt. G 11 512 Concel R 51 Constantini. H 36
Anisotti G 53 Arctin, 193 Alask, 5 5 925 \$\frac{1}{2}\$ Arctin, 198 Aschare II 6 Aschare II 7 Au II C k, 183 Aschare II 50 Cyres W 40 Lea I 4 7 Balcock W W 10 Bach 440 Bach 440 Bach 11 600 Bach 11 600	Bernite o R 649	B cur () 45	
Autl C h, 181	B my J 6 4	Bue ge L 660	Couley I' L 35 Corner L M 5 7 62
/zford // 1 394	liertholet 43	B (nt.) / C 494	Cope 1 Z. 8
Anagerii G 9	Hertiko, II alo	H Mt K (go	Corner L. U 3 7 62
13TES, 11 49	Bound 1	R mos I	Coudray J 196 Coulle 18
Ralemak W. M. to	lise \ ta	B to c 11 tos	
Bach 426	Becalit h 357	Burham L 1 050	Crede Harder 301 Cremer VI II 384 Croke G. W. 45 549 Crockett, R. L. 544 Crossen, H. S. 68
Bachrach M %	Il IL gion, W Go	Burnham \ C 268	Crife & 1 48 549
Bact 11 600	B4 11 4	Busse 36	Crackett, R L 544
	Bugham 111 no	B tler 1 \ 663 Byford H T \$4 3	Crossert, H. S. S44 Crosser, H. S. 68 Crump \ C. 4 Crump W. G. 6 Cumberbat h. L. P. Cumsta, W. T. 54 Cumsta, C. G. 70
Hambrile N 5 cou	B 1 1 39 " "	Carl alader W B 257	Crume W G 6
Hard R 434	Blu A P ms o	Carlle 17 . 4	Cumberbat h. L. P.
n Li n C C	Bled Stt I zo	Call II C L 9	Cummins, W T 54
Balfour D L 6	Blechma , (4		Curret a, C G ~o
Haind R 434 Haldwin, J I 534 B M n, 5 C 37 Balfour D t 6 Ballantyne J W 28 Bandlei, 5 W 28	Bill glow, W. Ge Hal I I I Bugkarn VII to Brigkarn VII to Bright VII to Block O E Block O E	Cames J 32 C esteo, C 1 3 Carmody T L 437 Larrel, 1 40, 07 300	Cunto, II 40 Cunningham F M 3 Cunningham J J H Curtis A II 55 524 Cuthbertso W 401
Bandlet, 5 W 18	Bloom J D 64 Bloom J D 64 Bloom J D 64	C esteo, C 13	Consumban I I I
Bangs, L. B. 99 Bangs, J. B. 690 Bannets C. L. 543 Barnets, J. D. 74, hB 14 Barnbill J. F. 668	Bloom	Carmous I L 437	Curtis 4 II es sas
Banivi J B 050	Di mi ld 5	594	Cuthbertso W sor
Barnets C L 343	Boero, E. A. 60	CATTE & T A 50	D Costa, J C 6 7 Dahlmann A 400
Barnbill I P 663	Bogslanos t M 4	Carrell, 11 605	Dahlmann A 400
Barr I Sa	Boggs, R II 5 0	Cant 1 1 350	Dandy W L 38 Danforth W C 8
Barr J 52 Barrelt, J B 5 5 Barre l' 6:8 B mager B, S 95	Boglano : M 4 Bogs, R II 5 0 Bolani I & 4 7 Bond I & 4	SOU A J A 50 Carroll, H 605 Carroll, H 605 Cart, R 3H 344 Case J T 9, 608 Casselberry W E 34 Cattaneo D 4 5 Cattaneo D 4 5 Cattaneo D 65	Danis R 40 Danisger L 668 Darling B C 54 Daugherty L L 30 Da id V C 98 Da don A J 34 D 102, W T F 6
Barne l' 6:8	Bond J &	Cauchem WE 13	Danuger L 668
B mager B. S 95	Bonds Re Bonols I (So Bookman W R 6 J Bookman W W J 6	Cattaneo D 4 5	Darling B C 54
Barns, J. 81	Bookman M R 6 1	Caulk, J R 86 94	Daugnerty L L 30
Barthe & 3/	Boothby W W 1 6	Ca areani D 65	Da don A I
Bartis, J 8: Bartis L 37 Bartlett, W 236 36 Bates, U C 555		Carectio, Al 30	D 103, W T 1 6
	Ho the tech, A 406	Caulk, J R 80 94 Ca arani, D 65 Carcerio, Ai 58 Chalaby I 500 Chamberlin W B 203	Dvs ED 670
Baucreise A 408	Boudol, 37		_
	27	a	

Iranh L 18
Frank R.T 5,
Frankeaburger J M 365
Frankeaburger J M 9505
Frank R 654
Frank R 654
Frank L 44
Francer P R 6
Frank L 44
Francer P R 6
Frank L 35
Frankeaburger J 16
Frankeaburger J 18
Frankeaburger J 18
Frankeaburger J M 35
Frankeaburger J M 35
Frankeaburger J M 365
Frankeaburger J M 365 Da 18, L. P 5 6 Davis, G G 387 Devis, J L 77 D vis, L 427 D vison C 5 9 Goullioud, 84 Edwards F S 147 Gra le, 180 Ehler F., 5 Ehrenlned \ 588 Crabaro, A B 146 Crab m C 6 Ehrenreich, 40 Grame tzky T Grant II II 659 Grant T P 55 Lhrmann, 4 Eisendrath D \ 5 309. Dax, R 151 Deadenck W II 661 Deaver J B ~6 6 368, Grant T P 53
G tt, P 63
G tt, P 63
G tt, P 64
Gray 1 L 411
Gray 1 D 609
Gree T belg L 1 360
Grant L 1 J 367
Grant L 1 J 367
Grant L 1 J 367
Grant L 2 F 62
Grant L 2 F 63
Grant L 2 F 63
Grant L 3 F 63
Grant L 3 F 64
Grant L 3 GIT LEADER TO TO THE TENER TO T 661 Eisenreich O 1 9 615
Dea ot, T L 73
De Beule F 389
Degraus, F, 395
Degraus, F, 395
De Joog L 85
Delagfanter II., 65
Delatour II B 34 55
Delavas, D D 320
Delettet, 650
Delor S, 45 50 Inedel 56
Freden M, J 606
Fredman J C., 605
Frednich M 51 Ines, q Inesner I 436 Fromme \ 16 Fromn \ 68 I rubinabale \ 529 Deletica, 650
Delott 141 559
Delott 141 560
Delott 141 560
Delott 141 560
Delott 141 560
Delott 141 660
Delott Grand O 87 Grand O 87 Gross C 529 Gross C II 31 Gross E II 650 Crader G B 620 G et P 45
Granme tot
Gradien II S 200
Gudium Le L 18ch D Guerry L 663 G ggide g 11 170 Culié M 506 Guild I I 418 Dickson I D 373 Dickson i D 373
Dickton A 77 431
Diller T 3
Dobbert T 5 50
Doca, 45
Dodeslen A
Doll, A 65
Doca, 1 44
Donaldson 1 80
Dor II 304
Don Sanles R 40 Gund 1 1,410 Gunnert, 4 6 Gunn, J \ 608 Guthre J R 168 G thiney J T 16 5, General 35 Ground 43 Ground 43 Ground 45 Ground 65 Groun Haebe hu, 24 Hache ha, 24
Hant, & 402
Halla J 306
Hill, G C 446
Halla at T H 520
Halla at T H 520
Hallamann, C A. 305
Hamburer R C 4
Habburer W W, 603
Humbon \ S 403
Han L B 6
Han L B 6
Hanburet 000 Doumenge R 4 Donnes H 1 300 Driessen L F 4 Driesen J. F. 4
Druner 200
Drukin, S. J. 200
Drukin, S. J. 200
Dul C. R. 544
Dullol R. 544
Dunn, N. D. 200
Dunna, N. D. 200
Dunna, N. D. 200
Dunna R. II
Durham J. G. Burham J. G. Burham J. G. D. al. I. Hanlow top Harbon C L 666 Harbon C L 666 Harmer T W 631 Harner T.W. 631
Il 1981 C.M. 99
Harrar J.V. 53
Harrar, M. L. 3.9
Harrar P. A. 434
Harrar P. A. 434
Hartar R. H. 534
Hartar R. H. 54
Hartar R. M. H. 44
Hartar R. M. 11
Hartar R. M. 12
Hartar R. M. 11
Hartar R. M. 11
Hartar R. M. 11
Hartar R. M. 12
Hartar R. M. 12
Hartar R. M. 12
Hartar R. M. 13
Hartar Cutral 5 6 Cultula F C4 Claver W 64 D al, l Dyus, F (Pyus, F (F to () Ebeler I Claver W. E4 (bm.) 1 47 (cooler R. L. 2 (cooler R. L. 3 (cooler D. 3) 1 (cooler D. 1) 2 (cooler D. 1) 2 (cooler D. 1) 394 (cooler D. 1) 394 (cooler D. 1) 395 (cooler D. 1) 39 Fighing \ 11
Echols C W
Erk \ C
Edella g k
Eden, k
Ede F W argrahe m. P 424 lab gt (set 13, 45

١

```
Hamar 648
Ha k. 1 R. 3
Hamana H. 48
Heinage H. 405
Heinage H. 48
Heinage H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               leconesco II 404
lecenes, T 19
Jachontoff, A 118
Jackson C D 310
Jackson R, 145
Jackson R, 145
Jackson R, 145
Jackson R, 145
Jackson R, 11
Jackson R, 15
Jac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Iscovesco II AOA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               lierté 4 :
lierté 4 :
lierte W P 3 3
li rrmana, 1 407
liert a, D \ 191
liertocle 246
li rtale \ L., 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ullien, 162
ump, 11, 1) 142
II risk \ L., 512 | lc t1 st., 513 | lc t1 st., 514 | lc t5 st., 515 | 614 | lleyro st., 11 c t5 st., 12 st., 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jung 1 170

3 geneh, W 365

Ash II 313

Kaluschin M 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        halten-three the
hamogleikel the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of the Assample of th
                         lirichman, L. J. 363

If rt. J. C. 40

If ischens, A. J. 67

Il trock W. N. 670

Il trock J. M. 62

Ilochne O. J. 418

Ilocaki II syo

Ilomann, L. 18
                         Holman, L. 78
Holman, L. 78
Holman, 433
Hokka, W. A. 5 t
Hokker H. 7
Holdan, I. F. 7
Holdan, I. T. 434
Holloway T. B. 666
Holman, I. W. 433
Holl L. I. 366
Hollan F. S. 318 632
Hopkan F. S. 328 633
Hopkan F. S. 328 632
Hopkan F. S. 328 632
Hopkan F. S. 328 633
H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        h ratein 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h ratein 65
hlaus IL 94
hles C 54
hles C 54
hles II 7
hlempere 1 56
hlmenk 1 646
hlmenk J 50
hlmer R 336
hlote II 406
hlote R 305
hlote R 305
hlote L 305
                                      Hughes, B. 350
Hugher' 307
Huthoon, G. A. 63
Hutchiso R. 39
Hyman, A. 305
HJ. F. 527
Hynn F. 54
Hmbdet R. 445
Hmgld, b.-b. 322 67
Lugala, b.-b. 322 67
Lugala, b.-b. 323 67
Lugala, b.-b. 323 67
Lugala, b.-b. 324 67
Lugala, b.-b. 325 67
Lugal
                                                  Hughes, B 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amen 426
Ance 426
Aceh J 509
Aceh I 509
Kor uni kl. IL 6 8
Achimann W 59 648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            kohn II 609
kolbć 44
Kold W 47
                                                                            Irons E. E 39
```

```
house, ber G 340 342 36 g 1L, 550 house, be ger 510 hope, take, 5, 668 hraus, L 54 hraus, P 456 hraus, 9 456 
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lievell a R. L. J 6 2
Loch, IL V. W.
Loch, IL V. W.
Loch, IL V. W.
Loch, IL V. W.
Loch, IL V. S.
Loch, IL V. S.
Lock, IL V. S.
Lock, IL V. S.
Lock, I. V.
Lock, I.
                              knaski 530
knaski B 5
                              Lumby L., 275
                  Aronay in, 173
Arona, 510
Aronay ne: M 193
Arupah \ In, 422
Aukach L 224
Auschalof \ J 185
Eyle 1) B., 25
                        Lahm, W., 2007
                  Lampe 4 5 502
Lampe F 52
Lang W 101
Lang C 610
Lang II 105
Lang L B 100
Langbriler II L 260
                        Lancaroni I 117
Lancaroni I 177
                  Laper t | 372
Larkannes G 610
La Ture, F 652
Law, | A 403
Lawlord, J B 203
La Ture E J 413
                  LA IT N 31
Layt a, T B 104
Le Dama y 1 1 9
Lechard, 11 4 25
                        Legue (a)
                  Legueu F "0, 40
Lehman, E 155
                  Lebrasan, \ 5
Le tch, \ 655
            Lejara, 182
Lejara 1 250, 658
Lejbo tich, J 293
Lemaire 11 639
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Marque, tes
Marshall, II W -60
Varshall \ F 5 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Varshall 1 5 3 5

N rts C 3 5

Vartin, C F 364

Vartin, L 406

Martin, E II 535

Martin, E II 535

Martin, E 605

Martin, E 540

Vassia, G 8
                  Lembet 5 | 56
                  Lenormant 135
Lenormant L 181 507
Levonmant U 393 you Lidon, 1901 Levon Bart Levon Bart Levon Bart St. Levon Bart S
                                                                                                                                                                                                                                                                                                                                                                                                                                  610
McAllate F J 58
McBean G M 660
McCall, J J 204
McCarde W B
McCastey B M 70
Lienau, A 433
Lienau, A 433
Lienau, A 433
Lienau, B 10
Lienau, W 4
Loude G 306
Lipschitz, K. 286
Li anoff, A W 370
                                                                                                                                                                                                                                                                                                                                                                                                                                        McClure C R 360
```

dCullough, C. P. 3.2 Notizel 306

dCullough, C. P. 3.2 Novak, E. 638

dCullough, C. P. 3.2 Novak, E. 638

dCullough, C. P. 3.2 Novak, E. 638

dCullough, C. P. 3.3 Novak, E. 638

dCullough, C. P. 3.4 Novak, E. 638

dCullough, J. V. 523

O'Connor, P. 434

O'Connor,

```
Ilsucer 643
Ilsucer 643
Ilsucer 643
Ilsucer 843
Ilsucer 184
Ilsuce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Scot exco | 11 | 404 | |
| Iverset, T | 19 |
| Jackson | 16 | 17 | 17 |
| Jackson | 16 | 17 |
| Jackson | 16 | 17 |
| Jackson | 17 | 17 |
| J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           kolucher G 540, 548
kong H 650
konged rger 320
Koputaky 5 668
krause F, 37
krause F, 37
krause F, 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14con esco 11 404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Licwellyn, R. L. J. 6
Loch, H. W. 341
Löhnberg, E. 1 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Long J W 110
Lostain, 207
Loste, J K., 101
Lothrop, J L A 414
Lothrop, O A, 5 o
Loughnate I M &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Artist, 4 5
Artist, P., 60, 194
Artistal (10
Artistal B 1 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Johnson M. 151

Johnson M. 151

Led uf F 8]

Lepsel J. 13

Lepsel J. 14

Lepsel J. 14

Lepsel J. 14

Lepsel J. 15

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Anusky L., 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Arrend, L. 171

Arrend, S. 191

Lange 4, 287

Lange 4, 287

Lange 4, 287

Lange 4, 287

Lange 1, 287

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     haffnut, 140
                   Herring N F 373
Herring D A 191
Herron, D A 191
Hertoche 246
Hertak 1 b 3 1
Herital VE 31
Herit CG 16 5.20 6
Hit CG 17
HIT CG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jung P 1-0
Jung rich 16 363
ha, 11 313
hat white, 31 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hattenschare 24
hattenschaft 598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Legueu 300
Legueu, b "10, 492
Lehman, l. 53
Lehmann, \ 110
Le teh, A 533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vi non G 450
Markell A 402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VI row, G. 450
Markell 44, 47
Markell 47, 47
Markel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Le te, A 633
Lejan, 133
Lejan, 134
Lej n, k 150, 638
Lejbonisch, J 205
Lemike II 639
Lemiche, j 0
Lendon, L 1
Lesormant, 135
Lesormant C 180 507
                   Léva, 50?
Levahard 53
Lepage C 049
Lerche W 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Akuna L. 95
Akun, C. 18
Akun, C. 18
Akun II 19
Akun II 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lerche W 27
Lerche W 35
Lerche R 35
Lercher R 35
                            Huntoon, G A 61
II tchaon, R 20
III tchaon, R 20
III, L 327
III, L J 527
III, L J 527
Inhole R 423
Inne, J 65
Ingeld, L F 311 67
Ingendl, J M 320, 548,
668
C 7 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  McAlliste F J cs
McBes G M 660
McCall Jr J 804
M Cardie M B 1 5
McCasley B W 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Livenstein, A., 413
Lileathal, II., so 357
Ledemann, is 4 2
Looks G. 306
Lipachiti, L., 36
Li anof A. W. 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  McClare C R 360
                                      Irons, C C 392
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